



116

# SEQUENCE LISTING

<110> Munger, William E.  
Kulkarni, Prakash  
Getzenberg, Robert H.  
Waga, Iwao  
Yamamoto, Jun

<120> Identifying Drugs for and Diagnosis of Benign Prostatic  
Hyperplasia Using Gene Expression Profiles

<130> 44921-5029-US

<140> US 09/873,319

<141> 2001-06-05

<150> US 60/223,323

<151> 2000-08-07

<160> 755

<170> PatentIn Ver. 2.1

<210> 1

<211> 333

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<213> Homo sapiens

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gcccagccac caccgccgaga acactatttg ggctggagtg tgaccgccga ggtgatcctg 180
gcaggaggct ggggttggt cctcgactcc acaaacactg aggagtgggt ggggacacca 240
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<213> Homo sapiens

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<223> Genbank Accession No. AA007158

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agtggaaagt gtcaaacaga aatggtgaca atgagttaga actgcagttg tttcaaggta 120
ctacactatt atttaaaaaa aaactcaca aaaagaaaaa tgttatcact acaagtagga 180
attagaagag agaaatcctg gcagtctgtc tagagggtta aacatttcat gcatttgtga 240
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 agtatgaaac tgattttttt ctttcctaga tacaaaaatg atatggggca tttcttaaca 120  
 gtttagtaat cgtctaagaa taattgtaga aataacccca attccaccat cccagccact 180  
 ggtataaaac aaataccttc catgaaactg tctttcacat aactaaaata tcctcactta 240  
 cttggaacaa tttcatgctt acacatgatc acaaacattt gtttttagat gttgtggaat 300  
 tactggagct gagatttctg aaacaatatc tgaatcctag cagagagata ataatccttt 360  
 cactatacat tgcttgggct tccttaacca aatctgagta actactggta ataataatgc 420  
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 <211> 163  
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<220>  
 <221> unsure  
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 cagggcgggg tttggtcctg aaaaaatggg gtggggcggt tacctcttac cgcttgggac 120  
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 <211> 196  
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<400> 5  
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 gttcatttta ttattttgct gatttttttt ttgcatgtga ttttaaattt tatttcaaca 180  
 tagaagtaac catatc 196

<210> 6  
 <211> 482  
 <212> DNA  
 <213> Homo sapiens

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<220>  
 <221> unsure  
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 <223> n = a or c or g or t

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 tgaccactcc ataggcagag aaacgtcact ttaagggttt gacatcaatt gatttttgtc 180  
 caaatcaata attactgcaa tgattgaaaa atgattatta ctaagtttgt tttcattgtc 240  
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 gtcttactat gttgctcaga ctgggnttca aactcctagg ctcaagcaat cttccagcct 420  
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 tt 482

<210> 7  
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 <213> Homo sapiens

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<220>  
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 aagagtgcac gccgggtaaa ttcagggtgg cttttttctc aggggtctgga agtgtgagag 120  
 tttctggggc agactttttc cggggccgat ctttgggaac ggacagaaat tcgggtgcgt 180  
 ctgtggagag aggggtggat ggagcactag aaggcgcact gcggacngaa aaaaggcccc 240  
 ccccg 245

<210> 8  
 <211> 337  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA025370

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 cattcaagtc aataccctgg agaaaagagg ctgtggggga ggccatgttc gattaggagg 120  
 ttttaagagtc catcaaagtg tcatatgtgt taggtgtgaa atggcgacac tgggaattac 180  
 tgtaataag ggggtggctgc agcacggtga ttgttatgag aacatcccca ccgccccact 240  
 tttgtttgaa gactttcgta ctgaactaca tgttgtttac tttcaacaac gtatacacta 300  
 cagttgacaa aagttaatct cggtgataag aatatgc 337

<210> 9  
 <211> 411  
 <212> DNA  
 <213> Homo sapiens

<220>  
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<220>  
 <221> unsure  
 <222> (1)..(411)  
 <223> n = a or c or g or t

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aancttgctg tgtgccaagc ctttccccaaggaggatat cagtgnnnna gnaagtctca 120
gggtggaaag gacctggacc acacagagca ggactccaga gcctcctcca tatggcagga 180
atcaagcttt cacaggggaa acgcaggatt tcccacacat gcccatgcaa cacttcaagt 240
cacgcttgca ctggccatcc atctcacaga aattgggggg gttnagcatc naacattggc 300
canaantcac tnggnacttn ccaagggttn cnccttggtg ggnttngggg ggtnnacagg 360
ggncccggca nttnatgcnc caagtttcng ggcaaanatt tcttttttcc c 411

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<210> 10

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA028092

<400> 10

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atctTTtaagt gaattacttt ataaatgtga ctgtcaaagt cagctatcct atgatctaca 120
ttttacaaca tattgtacaa aagatacatt gataggctct tatctattta tatatttata 180
attacatatt gcacttggac cagcaaggct tgcagagtca ttcacggtag aagttaataa 240
agttaaataag atgggaatct ttgtaagtac aattgatctc ctctggTTtg gaaacgaatc 300
tctcgtcgtg tgtaaagtgt tctcgcgggg tgggacagag agaggagcat tgcgaggggg 360
aagcagagac agagagcact gagggcaggg gtcgccttcc cggggcccgc tccccccggg 420
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<210> 11

<211> 422

<212> DNA

<213> Homo sapiens

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<220>

<221> unsure

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aatggtgcta tcttaaacac caaatatcaa ctgcagttca ctttttccgt gtggggacta 120
atatcaagat ttcatatgaa ttatagtata atccagaagt atgaaaaaat acatcatatt 180
taacttataa agcattcatc tgcattgTTat aagatattac agtaaataca attaggtact 240
taccatttta tctttacttt aaaaacaatg cctnttccaa aatataaaaa aaagacctat 300
ttttaaagan ctattttaag atngctTTtg aaaacaacac ttttatntta cnacaaatag 360
atggtagtgg caacagcact cgtggatgTT tacngntaaa taaaaatacc tagtattccg 420
gg 422

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<210> 12

<211> 253

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA029597

<400> 12

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gccagaacca aacgtctcct tttattgcaa ggtcaaacc ttttcatttt gtctatttat 60
acagaatttt cactaaggac tgctcgacgc aacagctgtg agtacattgg tccaaccatt 120
aataaatagt cttaaataag aaaacaaaca ggttgaagga aagcaagctc atcgtcctga 180

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acgagggatt aaaggggggg ggtgttcaaa agagctttgg atggaaataa ataattcttt 240  
tgctttgtaa cac 253

<210> 13  
<211> 186  
<212> DNA  
<213> Homo sapiens

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<223> Genbank Accession No. AA031360

<220>  
<221> unsure  
<222> (1)..(186)  
<223> n = a or c or g or t

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aaaattttaa ataaaatttt attttatctt atactcaagt tcagacaata gcatgtggtg 60  
tacattcaaa atttttgaca ggtacagagc acattaaaaa atgaagacat gatcaaggag 120  
atgtaagaga caaatagaca acaacattct ccctgaatct ggaaaaaagc nagccnttag 180  
ggtnc 186

<210> 14  
<211> 206  
<212> DNA  
<213> Homo sapiens

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<223> Genbank Accession No. AA036900

<220>  
<221> unsure  
<222> (1)..(206)  
<223> n = a or c or g or t

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tatttattga caggttgggc tgtgtgtgtg cgcattgtgt tatacatttc caggcgtgcc 120  
tgtgtcctgt agctttttta aaggaaaccc agtcatccca ctatgaatct ggcattctct 180  
tatgcttcta gtgttttggc canaca 206

<210> 15  
<211> 494  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA039935

<220>  
<221> unsure  
<222> (1)..(494)  
<223> n = a or c or g or t

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gtaaaatacg attcaccctt ctacgaaaac ccttttccca cactcgaaan gaanatagaa 120  
aaccagcag agagcagtac aantcagcat gcggtcccng atagctgaag tctcgggng 180  
gccagtgggt ccctgcggaa nagccttcgt nggtgganag nactcctggc ccagggtggnc 240  
ccaccagann ntcnntgacc ntctcnanga gacttgcnag gtangcagct ccennacacc 300  
agccccttgn gtctcaantn tacgggtcca aggaggggac gggaaaggct gcttggtccc 360

caccaaggct tgggggggctg gggggggcctg ctggcccagt gaagatgcag tggctctgttc 420  
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 ggagagaagc tgcn 494

<210> 16  
 <211> 421  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA040433

<220>  
 <221> unsure  
 <222> (1)..(421)  
 <223> n = a or c or g or t

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 tatctgcaac tgtaggtct ttgttatgtc ttggtcactt tgtctggact ggccgtgacc 120  
 ttcagctcca gggctctgggc taggaagacg ttccagtgac cttcgtgggg gccagcgagc 180  
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 aagtggaaga ttctggctgt gtggccttgg cagggtaact cacctctctg agcctcagtt 300  
 tcctcatctt ttaccagctt ccagaggtag atctccacca agtccgaggc ctngtggttc 360  
 ccaggggcaa agcgacgnag gttngtctng ggctttgggg gataccggat gttttggacg 420  
 a 421

<210> 17  
 <211> 486  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA040731

<220>  
 <221> unsure  
 <222> (1)..(486)  
 <223> n = a or c or g or t

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 gatttaaaaa ttttttttca tgaacaaacc atcagtagtt attaaggagc ccaagaaata 180  
 ggagatgtga aagcaggatt tctttgtgtt tcctttgaat gttgttattt tgagtattat 240  
 cattatcagg tagaggaaga aaggtaggct gggaagtagg tccttatgat atcttgacta 300  
 tggatcccag atttacattt cacctngtca cagagcacac ataatttaag ataaacatgt 360  
 caagaatgac ataaaccaga ggtaaacacc aaggagcttt acatttggaa ccngaaaata 420  
 aaaattagaa aaattattac cccatattaa taaccaaaaa attacttaaa ctctaggnc 480  
 cccngg 486

<210> 18  
 <211> 546  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA043349

<400> 18  
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aacattgctg taaatttcat tttttttttt ttactaata aaacagatgc ttcttttctca 180
gagatgggtt ttcactttca acatgcgtca tagcatctga ttttctgagc catcttggga 240
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aggctcttgg tgaatcagtt tgggaaattc acaattaagc agtctcaggg agtgaaattc 360
cggggtctga tgagactgtg gaaacctatg ggtactgtag ggagagcaca ggtttggatg 420
ccagacaaat atctaaatct aaccctaata cactgcttat aagcttagtg attgttgac 480
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ttagtg
546

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<211> 353  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
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<222> (1)..(353)  
<223> n = a or c or g or t

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atttagattc tttttctaag aataagcaga aatttaca aa atttaatttt tatttataca 120
ttcatccgtt caatacacat ttcaagaaag ctgtattgna ccccttnnag tnggtaagtt 180
ccagggccaa agaaccacaaa taaatccaag gagagagacc aacaaatgta tatttataac 240
acagagtaat aaaacacaaa taaatgtgga gttattttaag catgtaagat ggtacatgct 300
ctaccaaggt atggggggctt ctctaagaca caagatcaga ttaaagtctt gaa
353

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<210> 20  
<211> 382  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA044219

<220>  
<221> unsure  
<222> (1)..(382)  
<223> n = a or c or g or t

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atgcgggagg gcctgggggc tcagagggaa gaactgaggc aagaagcccc ggtgatccag 180
tcagaggatt gggcagcctg acctcggggt ggggagccag cactngacaa caaggaggga 240
ggggcacagg agggctcccc gaggtttggt ccgggagggg gaggaaaact gccccctgcn 300
ctgtcaatct ctgcaatgtg ccgagcccca gctccttgan tccctcagtg cctttggggc 360
tggatgctca ganagcagtt ga
382

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<210> 21  
<211> 428  
<212> DNA  
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<220>  
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 ttataggttaa ttgttcaatg tttgtacttg ttatttgaga ttttaccttt cactgataaa 180  
 gttacagtac attagatcca tgataatagg ttacattatt ttatttgcag agccctactg 240  
 cagtgatttg aacaactcct aaatagatgc cataataaag acaagacata tattgcattt 300  
 aatattaatt tattatccta ataagcaaca tgcaatctat tgaggaagct aaaataactt 360  
 ttgggtccct ttcttaaaat gtgctggaga aaccaccctt aaaatcactt tcccccgat 420  
 tccngcga 428

<210> 22  
 <211> 328  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA045487

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 atctcacaa aggcatTTTT actgaaatac taggaatttt ttcaatacaa tcagttagaa 180  
 atacacacaa attacttgaa aaaaaaaaaa agaggaggcc agataggagc tcagccactt 240  
 gtccaagagc agctgggtcc ccccgagcagg ctccaccgct gagggtcctg acattagctg 300  
 tcagcccctg gcctgctcag actggcaa 328

<210> 23  
 <211> 402  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA045503

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 ctgaccagag aggcattggag ggaggaggct gacttgccct ggggaccctt gctaactgag 180  
 acccaccctt cccctccacc ctgcttctgt atgtgggaga cgaaaccaag agtcactggg 240  
 ggcagcaggc atttcccagg gttaaggctg atggaaggct cctatcccag atgggagatg 300  
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<210> 24  
 <211> 437  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA045825

<220>  
 <221> unsure  
 <222> (1)..(437)  
 <223> n = a or c or g or t

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aatacgcaag ggggtgggag tatggctccc ctaccccatg tgagagccct gtaaccaagc 120  
cagtggggtg ggaacgttga cttgactgtn gcaaattcag gctcagcacc ttccaaagaa 180  
caagctccca ggcaggaggg ctccttgcaa cacaaggggg aaaggagtgg caccctggaa 240  
gggcctgggc tgcgaccac cctgggctgc ttggctcctg tatactgcc acctcaacc 300  
ctcaagagga aggcttcaca gctgggggta tgtagttcag agaaccggg ctaaaccag 360  
ccctcccaa acccagggtta tctgcctcgg gcctcagttt ccctcctccc agtgattacc 420  
caagttgggc ccatcag 437

<210> 25  
<211> 397  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA045870

<220>  
<221> unsure  
<222> (1) .. (397)  
<223> n = a or c or g or t

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acagctcaaa tcttcaaaat attactatag cattatgttt aaaataatct acaacaaaaa 120  
tgtaccattt tcaagcagta ctacattagg agccctttta tagaaaataa tttcttcttt 180  
accccggttc cagtgtgaat ctagtattct gttaacattt gtgtggcatt tggagtttgt 240  
catccccatt gaaggagag ccttctcaga catgaagcaa gggaaacata ctgaatagtt 300  
ttacacaaat ttgatctggc ttccatttgn cccctcatt tcccaaatgt ttaaantgta 360  
ttnggatttg ggatttctcaa atggtataag ttggcct 397

<210> 26  
<211> 564  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA046426

<220>  
<221> unsure  
<222> (1) .. (564)  
<223> n = a or c or g or t

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tgcaagtatg tactgtacta aaatacctat atttccaaat aacatatgtg gtgtagccca 120  
cagtctctgc agaagcatca tgagtaacct gtgcctttac actttacaat ccgttattgg 180  
ttgctgttaa aagtatgata acagatgaag aaaaaaaaaac taagtatgaa tacacttttc 240  
caaacacgca catacacagc ttacaatgga atcccaatgg aaataagtga caacatctga 300  
tgtagaatct ataaaatgta gactctgcaa taaaagcca aaggacgtaa aaatatattt 360  
taactttaaa aataacttag ttacagtaat actttgcctg tgtcttacca acatgtagct 420  
gacagtcaaa attttgcaat atagatataa tatataggga tatataagaa ctacaagaaa 480  
atccccaaa cccataaagt tcaaatgtga aacagaaaag tttaacctgg agattcgcta 540  
tggtgancta gccatatttg gaag 564

<210> 27  
<211> 560  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA046840

<220>  
<221> unsure  
<222> (1) .. (560)  
<223> n = a or c or g or t

<400> 27  
tacaaatact gtaaaaatta atataaaaaa gtgagcatgc tcagtctttt cctcttatct 60  
acaatacaaa gggtttgtct gaaaagtctg gttttttttc tttttacaaa tgtaccttag 120  
ctgcatcaac aggagtaaga tgtagaaaaa gctaccatta caaaaataat ttaagggaaa 180  
ataaacacgt ttagcttctc tcgcagttta gtggtggtaa gtccaggctg tagcttcttt 240  
gcgctcctat gtcccaagaa actgcagcgg gcacccggcg gctctggctg cgcagggcag 300  
ggcgcgctcc gctccggggc gtcgggtctg aggtatgggt cggtgctgag tctctcccg 360  
cccggccgcg cgttaccggc agtctgctgt cccggcggcc ggcagaaggg cgggctgggc 420  
agctgcttga agaactgccg gagggccagg tcccgctga ntgctccacg cgctgggtgca 480  
gttctcgttt cagcgacagc tcacaacttt gtgcantcct gggtgcgccg cttggcttgt 540  
ggggtttgcn acgggatgtt 560

<210> 28  
<211> 464  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA047151

<220>  
<221> unsure  
<222> (1) .. (464)  
<223> n = a or c or g or t

<400> 28  
agaaaaacca ccatcgtgtc acgtcgacga tgccaaatta tgtagcgtg acaganaaca 60  
ccgtggggga ggaaggcagc agctgaagaa aaaagctcaa atgatctagt cactttcgat 120  
actgtacttc agatgcgaaa tggatattcn gagtggaaac ctgacaaagt gcgcctgctt 180  
tgatgtgaac tggatatagac aatgaccagt ggctgggtca gtgggatgtc tctctgtgag 240  
cacaaaggct tatcaaata cactaaagat aagttcaaca accatcacat tggaaggagg 300  
aaaggccgaa catttcatgt ttggccgggc atgtgagtgc acaagatgga aagagcgatt 360  
ggagcatcct ggtataatta cccccattgt gctcttaatg gaaatttcaa aggacgggag 420  
tattctgttg gttggtgtcc aggtttgtgg cactgttcca agag 464

<210> 29  
<211> 413  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA047880

<400> 29  
tacagagaat ataaaaatac attcacttta ttttagaaaa atgaagactc atagagtaag 60  
cttatcacia actggcctat taggagtcac agaattcaca ggaaacaatt tctgaagacc 120  
aggtgcctgc tgccacctct ccaagcaggc cagagtccag tagagaatgc gattcaggaa 180  
gatggctcct cagagggcag ggaggttagc tacggaggcc gctcacgtgg aaatgtccag 240  
tgaaccaatg ccaaggaaga agataaaatt ctctggggct gaccacaaca gtgggggtgg 300  
ataaagacia accacttgcc tgtacttctc atcttctatt tggttcatttc actgctggaa 360  
ggtgacctct tttcccctaa tcttctttca acccagagag tttaagtctt ctc 413

<210> 30  
<211> 431  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA053424

<220>  
<221> unsure  
<222> (1)..(431)  
<223> n = a or c or g or t

<400> 30  
tttgagcttt cagatttgct tttattggta gggaaattcc agagtgggga gccacccagg 60  
aggagacagg ggtgccgagg cttctgggag tctggaagct cccggatgga gaggcttaca 120  
gccccagcct tccccagcag gagcacaggc aggggactgg ccaagtctgt cagctcagag 180  
caggaccggc ttcagggcct gacttcggtc tcctcttgac ccgccccgga ggcttgtggg 240  
gggctctgtg tttgcagctc tcctgaacag agctagatga ggggtgggagg cccccgttgg 300  
ctcacacagt ggatgctacc atctccggcc tcttgatgt ggagctctgt gccagagtca 360  
acagtctcca ggggtgggccc gaagttgttg taggcgntct caaggccgaa atctgctctt 420  
cctcagattc t 431

<210> 31  
<211> 451  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA055163

<400> 31  
tttttcaaaa tatgagttta atgacagaat tagttagcta gtattccaca aaaagtattg 60  
ctctatttttc aaaaaatttg cacagtgtct tacacatgtg ctaaaagatt gagaaaataa 120  
attagaaaat tatactgcac acttaacact aaatctacca agcacaatgt aactttttaga 180  
cagctcagaa ggacttttg gatttttttt tttttcagtg cctcagggat cagtatgaac 240  
tccaattatt gttgccctgg ccaattgtgg gagtactgat aactggagag ttaattgact 300  
gctggataaa gcaatcttta atctaaatgg ggaaggctca ctagcagcta cagaggaagg 360  
gggtattcag atcccagctt aaggctagga agccagctga cccaatcaga gacatgaacc 420  
catcagaaaa atgtaaaagt tttcatcttt c 451

<210> 32  
<211> 354  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA055768

<400> 32  
tttttttttt tctgttcaaa aaaggtttta tccaaaaaag ttaatcaaga caagcaacag 60  
atactgcaaa gcattatata cagcaccata gtccaggggc caaagaaatc aggaggggct 120  
gggcagtaga ggaattccat atattaatga atgtgagatt aagtatagag tgaagacatt 180  
aacacacaat ttctaatttc tgtaggcag aatgctcccc taccctgatg ccacagcctt 240  
tcacgtttcc taaaccctag taacctctga tctccatctg cctcatcaac acgtcaccac 300  
cctttgctct tcttccaatt tagtcacatg ttgggctgaa tttatttcca ctcc 354

<210> 33  
<211> 610  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA056121

<220>  
<221> unsure  
<222> (1) .. (610)  
<223> n = a or c or g or t

<400> 33  
ctccccctcc ctgctccaag ccggagggtt cctgaggtga cagcgcctgc aactgaaatt 60  
tcagcagcgg gagaagatgg acaagagaaa gctcggggcga cggccatctt catccgataa 120  
gaaagatgtt aaatgcaaaa ccagaggatg tccatgttca atcaccactg tccaaattca 180  
gaagctcaga acgctggact ctccctttgc agtgggaaag aagcctaagg aataaagtca 240  
tctctctaga ccataaaaat aaaaaacata tccgagggtg tcctgttact tccaagtcac 300  
caccagaaag gcaactcaaa gttatgttga cgaatgtcct atggacggat ttaggacgaa 360  
aattcagaaa gaccctacct agaaacgatg ctaatttatg tgatgccaac aaggtgcaat 420  
cagactcatt gccttcgaca tctgttgaca gcctagagac atgtcaaaaa ttagaacctc 480  
ttcgccaaag ccttaattta tctgaaagga tnccagagtt atattgacga atgtctggga 540  
acgggttagg aagaaatcct aaggnccac ctgtactgag ggaattggtg ttcagcaant 600  
gcatcaggga 610

<210> 34  
<211> 404  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA057195

<220>  
<221> unsure  
<222> (1) .. (404)  
<223> n = a or c or g or t

<400> 34  
agaaaaacca agtgtcttta ttcctcgatc gtttagtatg gcggtgggcg gcgcgcgcgg 60  
gggagcctgg agcccaggga atcgacctgg agggccagtn gngggancgg aggggtgcgag 120  
gntcggctcc tccgcagccg gccctggagg ggttcttggg ggatcgcgcc aggccaaaag 180  
tctgcatggg cggccccgag cctccctgag ccggcgcgcc ccgggnttng ggagaggccn 240  
ctctgnncgc ggtgccgntg cgggcccggg tgccggcgtc gcccaagggc taaggtgccc 300  
cgtctcaggc gagaccccag gagcccgcgc ccccgctgt ctcttcagcc gacgtagaca 360  
cgtngggccg ggaaccccag tcttaacgcg tgttcaagct ctgg 404

<210> 35  
<211> 491  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA057829

<220>  
<221> unsure  
<222> (1) .. (491)  
<223> n = a or c or g or t

<400> 35  
cacggccagc ctctcctgca gctgcgcgtn gctcacctcg ctctggcccc tggtgccgtc 60  
cacctccagg gtggcctcac cgtccctcag cgagacgggtg accacgtgct cttggccgtc 120  
gcagacttga tctccattag ggccaaggcg tatgctccac ggccaggacc accagctgct 180



```

tcttgagttt cttcgtggag tgatagtcta ccagtgccac agagagaggc acggcacgga 240
ggtcgggggc ccagangcgc aaacaagcac gcctgtgtct gcggctgggc ggattgtgaa 300
gccacgactt ctacttccca ggttgattca gtcccgacgt ccagaagggg tccgcatgta 360
gtccaggctg tagaaggcga agcttncccc ggggttagaa agaagcctct ctccgtcacc 420
gagaagcact gcatacctcgt gttnatattca ccgttttctt ggatgggtgggt gtcttctccg 480
ttcagccagt t 491

```

```

<210> 36
<211> 436
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA070752

```

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<220>
<221> unsure
<222> (1) .. (436)
<223> n = a or c or g or t

```

```

<400> 36
acgtgcagtt cagtcaatga aatcctgagg attggataaa gtaaacaacac tgaaatggat 60
gcatacgtacc atctactgat gaggaagata tgaggctccta gttgtgaatc atgaaatatt 120
tagagtctgg gtacccatga gtagaagag gatttgctga ggtcatttag gtcttcattc 180
tgctgtgatg tccagttgag ctactgacgg tcctctggct gcttctggaa actgatgctg 240
gcataggcgc ttaaatcctc acttgagcgg cgggtggagc tgctctcacc gctgcccagg 300
ggttgatgan ngggtggggg tgggggaagg ctgcggttca ggggtgcact cctgagggca 360
ctgtttgaag tccttgacca aatccaggtc tatgtagtta agaccattct ccaaaccccc 420
agcagcccca cacagt 436

```

```

<210> 37
<211> 567
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA082546

```

```

<220>
<221> unsure
<222> (1) .. (558)
<223> n = a or c or g or t

```

```

<400> 37
agagaagacc gtggatcacc tggggacaga ggtgaaaggc ctgctgggct gctggaggag 60
ctggcctgga acctgcccc gggacccttc agccccgctc ccgaccttct cggagatggc 120
ttctgagccc tggagctgga gccagcagt tggagggtgg gcacctgcca ggcagcgcca 180
cagaaccagc cctgtcctct cgacttcctt ccttagcttc atgtgaaata aaagctattc 240
tggtctcctc tgtgtctgct gacagagtaa cccgtttaac tacagcctcc tctcactcca 300
cttccatgcc tggaggaagc ctgcaacccc ctccaggctc agacctgggg acacccccan 360
tcctgtcatt tataggggaa gatggagcag gggttgattc acacagatgg ggggccctct 420
gaattggcct gcttctcaga atgttgacca taggtnaaaa gcaaggggat cgggggttcag 480
gaccancaga atgttttagt aatctgnatg aatgagaccc caggatttat gtgtccatta 540
agtggttggt gtgnttttaa aaaaaaa 567

```

```

<210> 38
<211> 328
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<223> Genbank Accession No. AA084138

<400> 38

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ggttacaaga ttctttatatt tgtaaaactat acataaacag taaaaaagaa aatgcattat 60
actttattac gtaaagtcaa cattaaattt tgtattgagt gtgtataaat taaatggaaa 120
taattaatca attttgcttt caatgaattg tatactggga aaccagttta cccactgttg 180
aaattaaaga taccaatacg taacattcaa cagggtttttc cattttttatt atgggcacaa 240
aaccattggg atgatatagt taaaagtgat ggtgtgccaa aatgtctaca caattaatta 300
acatgctaac ttaaatacag cggttaaa 328
```

<210> 39

<211> 370

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA085943

<220>

<221> unsure

<222> (1) .. (370)

<223> n = a or c or g or t

<400> 39

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agaaccacgc ggtgttctga ggggagcgtt tatttcaagc naccgatggg acaaacantc 60
ccaggcttcc caggtgnan tgnccggggc ggcacccca cttccagcgg cctccaacgc 120
ggcccttccc tgcccccttc cggaacttct gggcgtggct gatgcggttg tacagcacgt 180
tgatctcata tttctgctgt ttcagcttcg ccatcaggtc gaactttctca gactccagct 240
ggtggatcca gtccgacagc tcctgggctt tctcccgag ctgttccctc cccatgtaag 300
tcaatgttca agagggttc ttaacgctcg gaaaaggaat gcgcaccttc atctcccggc 360
ccccgtctgg 370
```

<210> 40

<211> 406

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA086264

<220>

<221> unsure

<222> (1) .. (406)

<223> n = a or c or g or t

<400> 40

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tttttttttt tttttttttt tttttttttt tttttttttt tttttccan ggaaacactt 60
ttatttcngg aagtcagaag aaaaacaang ngcacacact gaatgacaca gagcggcagn 120
tggaaccac aggggctgcc ganagctggc ctttcacagc agaccactgt tttccagtga 180
gaatgggtgg ccattccaaa acaaagctaa agggttccaa acatccagaa tggaagctgc 240
ttcccccaac tccattacct atactacagg atggattgct ttttgtgaga ccccttcttc 300
cactgggcaa ttttnggcac tatttaccct cccccgatt tttaaaagct aaaatggcgt 360
cccagggaag aagtgccggc ttggatgcan gcttgggcca ntcact 406
```

<210> 41

<211> 250

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA091278

<400> 41  
 gtttgccttc taattgatca tttagactat tctggctaag tctgcccaca tgtaattacc 60  
 ggctaattca agcgaggaaa aatgtaagtc atttagacca aagccaagca gtttctttgc 120  
 gtgggttact caagggttg tggttacttg tatctcctct atgtgaactt gactttgaaa 180  
 gacagagctc tagtgtgcca gcctgctaag tcctgtaaga atagggaggg cggagggggt 240  
 ggcagtacta 250

<210> 42  
 <211> 307  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA092716

<400> 42  
 gcgagtctgg aactctttct tcggggcccc ggggcacacc atggaggtct cctgttgaat 60  
 ggcccttggt gccctagagt gggacccagc cctcacctcc cccagagcta acctgggagg 120  
 tgctgaaggg gcattgggcc accgtaagca agggaaaaag ggcagatcat gcggggagat 180  
 gaccttgatc tttgattgct accctaacct tgacctttta cccgtgattc ccccagctcc 240  
 tggagagatg tctaatatct cttagggacc agaccctaaa ttctctctcc ccatttgatg 300  
 ttagtggt 307

<210> 43  
 <211> 309  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA093923

<400> 43  
 gtcataatgg accagtcattg tgatttcagt atatacaact ccaccagacc cctccaaccc 60  
 atataacacc ccaccctgt tcgcttcctg tatggtgata tcatatgtaa catttactcc 120  
 tgtttctgct gattgttttt ttaatgtttg ggtttggttt tgacatcagc tgtaatcatt 180  
 cctgtgctgt gtttttgatt accctggtag gtattagact gcacttttta aaaaagggtc 240  
 tgcacgtgg agcatttgac cacagtggac gcgtggctat gcagggtgatt cctcagtcct 300  
 ccttggtct 309

<210> 44  
 <211> 271  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA094800

<400> 44  
 gcgactgcag aaaaagttcc agaaacaatt tgggggttagg cagaaatggg atcagaaatc 60  
 acagaaaccc cgagactctt cagttgaagt tcgtagtgat tgggaagtga aagaggaaat 120  
 ggattttcct cagttgatga agatgcgcta cttggaagta tcagagccac aggacattga 180  
 gtgttggttg gccctagaat actacgacaa agcctttgac cgcacaccca cgaggagtag 240  
 aggccactgc ggcacaaagc gcaccttcac a 271

<210> 45  
 <211> 323  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA099820

<220>

<221> unsure

<222> (1) .. (323)

<223> n = a or c or g or t

<400> 45

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gtgacatggt ttttgcttta ttgaaattct ctcttacaaa aggtctgang tatttttaggc 60
caggcctaata ttgcttttggc ccctgaaatg caggcccatg gtcatttcca tgcctctga 120
agtaggtatg taaactagta gacttccatt tttaagggtc acacactttt taacattggt 180
tttatttgat gtaaaacaag acttatgttg tccctaattg aaagaccaag taagagagtt 240
atgtgcgtct tcatggaagg gataactgga ttctttgcca gaaccgggtt gggaatttag 300
tttgttcaat gtggcatctt tca 323
```

<210> 46

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA101767

<400> 46

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catttcataa ataatgtact ttatttttatt gcatatggct attaaggagg gcatccatga 60
tcaatacaga ctaaatacaa tgcactattc tagtccagtt tattctcgtc tccagcagca 120
tcacattgac ccctatatac agcgtgtaca gtggaagaca gagcaagata agttaagtct 180
cttgtcatat cacaatagca agaaatatat ttaacatctt gatatccaga aacaatacgt 240
acccaaaaag aaaacactgt ttaataactg ttaaagttta tatagcaaaa aatattttta 300
atttaaggta agtcaggcaa aatgtacaaa gacccaatat acattgtgaa gtttttagcaa 360
acataacatt tatacathtt gggtccattc tgtaaactaa attaaaaatg gtaaattattg 420
catatgcctt t 431
```

<210> 47

<211> 260

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA102489

<400> 47

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agtctacaag ttcagaccca catgtaacgg attttttgctt catgggttgtc agaggctagt 60
gtgcattatt tctgaggatt atatccaatg acacgacgca gaaaacacaa atggacggac 120
agacggatgg acataatcat taagacaaga gactctaaaa cgtgccttag tgtccacgtg 180
attgatctaa ggcgggggacc cttctaagggt ggggacccga gtgatctaaa gcagggtggc 240
ttccagcaca aggggtgccga 260
```

<210> 48

<211> 365

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA121142

<220>

<221> unsure

<222> (1) .. (365)

<223> n = a or c or g or t

<400> 48  
 tttttttttt ttttcaacaa actcagcttg actttattac atggaagctt gcagggagcc 60  
 agcggggaag gcctgtcttg gcaggaactc catggctggg ctggactgga ctgagcagtt 120  
 ggtgttccag atctgccggg gagaccagat caacagcctg cctcttcagt ttatatccgg 180  
 aagactcgcc caggtccttg ctacttgggg ccaaggtagg aaacagcctt tcctgttttg 240  
 ttgagggttg ccancagggt gtctgagctg tgcccaaagt cgatgcagac cttctttttg 300  
 ggcaagggtca atgttgaact ccantcctcc caagcttggt tgaaggactc tggaaaacgg 360  
 gtttt 365

<210> 49  
 <211> 261  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA127946

<220>  
 <221> unsure  
 <222> (1)..(261)  
 <223> n = a or c or g or t

<400> 49  
 ttaaagtga agaaacttta ttttgagtaa tatacatatc attcattcca ttttaattttc 60  
 atagctatgc nctatgaaaa ttaaattggaa tgagtaatat acatatcatt cattccattt 120  
 aattttcata gtgcatagct atgtgtagaa gtacacaggg aagaataaac attagaaata 180  
 cctagccatg aaaatataca agtgaagaca tttgatatat ccatggacng gcttggaagt 240  
 attataaaac aggatccatt a 261

<210> 50  
 <211> 444  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA130349

<220>  
 <221> unsure  
 <222> (1)..(444)  
 <223> n = a or c or g or t

<400> 50  
 tacaaaaaac aattggttatt tgtgtacttt taaaacctca cagtaatatt ttcacactac 60  
 cttcttggct gaaagttcac actcgggaatt ccagagcagt ccatggccag gccactggn 120  
 tccccttgct ctctccttgg ctttggttaac cactggcccc agggactcag cctgctttcc 180  
 tatccatccc ctcatagct gtcaccatgc aggttacccc ttctgtttct tctaccacta 240  
 actccatgtc tgactgcaag tgaaaggaac agaagcccaa acctttgggt ttttaaggagt 300  
 ttattgctaa tctgtaaaac agaaagagac aggagataag catgacaaaa tatagggaag 360  
 aatgacttt tgcctaaact tccaaactgt gtacaattga agcctccgct ttatagctct 420  
 tagcacacct ctcaaataag aagg 444

<210> 51  
 <211> 616  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA131322

<220>

<221> unsure  
 <222> (1)..(616)  
 <223> n = a or c or g or t

<400> 51  
 gatttccatg cactttaatg aggtccagca ctcaggagga ttagcgccca ccaccagctg 60  
 cctggggcagg ggagggccgg agcaggtngc aggcgtcagg cttaggacag ggaagggggc 120  
 tcaggatggg gaagggctct caggacaggg gaaggggctc agaagagagc agggggctta 180  
 ggacaggaag gggcactcag gacggggcag ggaaggtgtg gggggcagtc gccacctggg 240  
 taggaagcag tgggtgtttt gacaggaggg gctggctctc cagtgacca ggtggacacc 300  
 ccaggcctga ctcacggctt tttggggaca tagtggtgga tccagtccaa gtagtaggtg 360  
 acacgggtgt agatgccagg ccggttgggc tgggcacagc tncgntccca gctgaccacg 420  
 cccgcctgta gccaggtgcc attcaccttg cacaccaggg gccctccaga gttcgccctg 480  
 gcatgagtcc ctccggtgtt cccggcacac agcatgtcgt tcacggatga tgccgacgtc 540  
 gtctcccgtg taggcgccaa agtggtatth gcgtcacaaa tgtggtttcc attatgggga 600  
 ccttcactgc ttcagg 616

<210> 52  
 <211> 464  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA131919

<220>  
 <221> unsure  
 <222> (1)..(464)  
 <223> n = a or c or g or t

<400> 52  
 tttttttttt tcctgagtaa ttttttatth tgtgcagaga caggatccag aactcctggg 60  
 ctcaagtgat cctcccactt tgggtctcca atgtgctaga attacagccc tgagccacgg 120  
 ccccatgccc cgtttttacc agtgtatatt ttctactgga aaatgagact tttagggatg 180  
 aatgtggact tgtctgttga aacttgtaaa tttgcttaaa aaaaaaaga tctccaagtc 240  
 ttcacaaaat tttatatthc ccaaggctgc cccatcacaa tgccctgtgaa gcttgactgg 300  
 cagacactga ggcctgaagc tgggggctgc aggggggtcac tggctcacc ggtccccccg 360  
 taatctgtaa aacatactgg gtgagggagg ctgctggagg acctgaatct ctcccttctc 420  
 caggcagtag tgaggcatat gctgntggcc ttgggccaat taaa 464

<210> 53  
 <211> 393  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA133756

<400> 53  
 ctccatttat tttattttat ttttttataa aaaagcaggc ataaaatata attacattac 60  
 tacgaagatg caacaaaatt ttaaaaaaga aaaaggggtg caattttttt cagagaggac 120  
 agctgatcaa atattttataa ttttctaaac catgcagttc attacttatt acaattccaa 180  
 acaaaactca ttattatggg gatgggagtc agggagaggc ccccccccaa gcatgatatc 240  
 cagcgctgtc acacagtgtc tatgttcaaa gtgcttacaa atgggtgtctt cacagcatag 300  
 ggaagctgaa gccttattcc agggaaggag aggtgagtca gtagcagtgt ccaatggcag 360  
 actcagaaag ctcggcagtg acttgctcaa aat 393

<210> 54  
 <211> 398  
 <212> DNA  
 <213> Homo sapiens

<220>  
<223> Genbank Accession No. AA135870

<400> 54  
aaaattttaa ataaaatttt attttatctt atactcaagt tcagacaata gcatgtggtg 60  
tacattcaaa atttttgaca ggtacagagc acattaaaaa atgaagacat gatcaaggag 120  
atgtaagaga caaatagaca acaacattct ccctgaatct ggaaaaaagc aagcaataag 180  
atcacgaaag gcagctgtaa aacaggatta ttctgcatgt gttgcccaca actagggcaa 240  
ggttatctct catcacaagt acaaagccat tgatgttagt gtgtaacaga gagaaaacag 300  
aggatttgta cagctgagga aataaatggc agatgttaca caggaagcaa tataacatgg 360  
tcattaagta actgtattca accctcaaat ttaatttt 398

<210> 55  
<211> 390  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA135929

<220>  
<221> unsure  
<222> (1)..(390)  
<223> n = a or c or g or t

<400> 55  
aaagatatca attatatatg tatataaaaa aaaaacctca ctttccccac aaaaagcaca 60  
atactgttat cacaaaaaaa atcatcatcc tcataattaa tcatcctagc cacgcagggtg 120  
tntttgctgc caaaagatgg gacgacaaat aacgttgacc aggcagaacc cctagacacc 180  
ctcggccccac ccacagcctc tccggctgcc gaagacgagg gacgagggca aggcagagtt 240  
ctctgaggtc cccaggcctt cccccatct gtcagtctgt gtcttctagg acagaaggta 300  
gttggtttttt tttcttttaa aacgtctgtt caaaataaaa aacaaaagca cacgcgcaag 360  
agaagcgggg aggaacggag gctgcctgcg 390

<210> 56  
<211> 511  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA142858

<400> 56  
tttttttttt ttttttttca aggggaaact ggggcagttt tattgacgat ggcaatgtac 60  
aagactccac acctaggtat gtgcacgagg taaggcctga gctcaggcct tatgatcctc 120  
ctcaggaccc ttgggggcaa acttctcctg cagtttcttc cacatgcctt tatctatttc 180  
cttaagctct tccaagggtg ctgtggacag gatcagcttg tactcttcca acgacaggcc 240  
actgaagctg gtgtctctgg ggcgagggtg cttgtgtttg tagtagtttg aatggagtcg 300  
cgctaagtct cgtacatctg atcacaggcc tcaggctctgc aacctgggta ttctctccct 360  
cccgaaggc ctgtgctacc cgctgtcgca ggtaagcgcc caagtcccgg ccccgtttgg 420  
tctcgtccac tggccattcc tcacagagct taagaaaacg ccggtaccgt gggccgccat 480  
ttgggccccg cgtgttcccc cccctcgtgc c 511

<210> 57  
<211> 341  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA147224

<220>  
 <221> unsure  
 <222> (1) .. (341)  
 <223> n = a or c or g or t

<400> 57  
 aatacattttt cacagtgtgc tgaatgtctt tatttacaag atatcattct atagtgaata 60  
 tgaacaaaac gaatgtgcat ggttgaaata actgcttgat taaaaatgtg ctgtgaagat 120  
 gaatcactaa tcttttctaata gcactctgat aacacaataa acatggaaaa atactaatcc 180  
 cctaatagat cnaaatatag natatagncc ccnaaatatt tcnggggggat ggatttttctt 240  
 tcngagggttt cncaaaaagg naaaanggae atggnttccc ccagccaatg gtttagccaa 300  
 atattggggg aaatgccccat tccaatggga aaaacccgga t 341

<210> 58  
 <211> 561  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA149579

<220>  
 <221> unsure  
 <222> (1) .. (561)  
 <223> n = a or c or g or t

<400> 58  
 atagtaaata tattacattt attctaaaac ttcaaaaatta ttctgttttt gtagtactga 60  
 aaaaaagaca gtgccatttg aaacaacaga tgcattcttt atacattttc acaagtttgt 120  
 ttttcatatt tttaaaggcc ccatttatct gtaacagtgg tattttttatt tagagtatcg 180  
 gctacttaat atatacatgc aacaatatat gctttaatag tcattttaact ttttaggaata 240  
 tttcatcaca ttaagtgggt aagcatagtg ttaaaagagt ggaatttaag gaataagaaa 300  
 atattgaaaa tacgctgtta ttttcatttg ttcactataa tagaatgttt ttgcccataa 360  
 aagttatcat tgcccactg aattcctacc aagaactaac aagtgattct cagtggggag 420  
 aantttnttt nntnngaata tagagggtc gttagaaagt gcagatntag gcgggcgcgt 480  
 antcacaccg taatccagca cttggaggcc aggcgggcgg tcacgangta ggagatcgag 540  
 accatccggc tacacggtga a 561

<210> 59  
 <211> 420  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA150920

<220>  
 <221> unsure  
 <222> (1) .. (420)  
 <223> n = a or c or g or t

<400> 59  
 agcgttgtaa ggtttatttg ggtagggaag gggacaagtg aggttaactga tccttgcttt 60  
 gtagacagtg caagacaatt atttgtggtg aagggactgt atgccaaaca acgttactca 120  
 tgcttttagtt aaaactttta gtcacctaaa acagaaaca ttctnaagaa cactgggtgga 180  
 aatagaagt gtaaattgtt cagacaaaac caaggcattg tcagcacgat gtacattata 240  
 cggcagatan nacagccaca tcctaggcca cagagcagat cccaagagcc ccaggcatgc 300  
 aggagagttt taaaggaaca gacggaaatt ttaactgtga aaaccacgaa atttcatgac 360  
 ttttggtcag ctacncccc aactaatata tgaccattaa gagtaaaatt ctgaccttta 420



<210> 60  
<211> 426  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA151210

<220>  
<221> unsure  
<222> (1)..(426)  
<223> n = a or c or g or t

<400> 60  
tttttttttt tttctggatg aatacatggt ctggctctgt tacaggttct ggtaaatacag 60  
atggagaaat gttgttgcag aaatgtcagc aaactttaca gcagtagttc acacatgcag 120  
ctactatata ttcattcatt gctattttcc taagaaatgg agcaacctag gagcttatgc 180  
tacagtagat tccaatgaac cataatgact acttcaagaa caaagaagca catncaaagg 240  
tgtgatatct tcctgttggt ttgagttttc aaacctgaaa ttcttttaaaa tacattttctg 300  
ggatttttatt taaatattga tgcnacacac ctaaaaagca gtgacttctt gggtaaaatg 360  
taataactgaa atggaaaatt gtctttttcaa aaaaataaga agtgtgggtt ggaaattccc 420  
cgtgcc 426

<210> 61  
<211> 400  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA151428

<220>  
<221> unsure  
<222> (1)..(400)  
<223> n = a or c or g or t

<400> 61  
cagagagaaa gtgctttatc agccgggctc agcccgcaca cggactcgcc aggagtaggt 60  
ggtcagcacg cgctgctggc ggcnaaccag cagggtgtagg tgccctcatt gacggcggtg 120  
gcgatgatgc tcagggtgcg ctcgcccagg gccaggtagc cggggtagga gaactccagg 180  
ggctcctggg ccttgtagca gtacactttc cctttcttgt ggaggatctt ctggccgcag 240  
cggaagggtca cgttcctgcc ctcggnacca agcctgggtt tggtcctggg gggcggtggn 300  
ggtgggtggc caccgtgggg aaaggggaat ttcgtagcaa gaaantccgc aagctngctt 360  
gggggcaaaa agcttccttt ccantgaagn cccgccggga 400

<210> 62  
<211> 502  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA151544

<220>  
<221> unsure  
<222> (1)..(502)  
<223> n = a or c or g or t

<400> 62  
caggacgagc tgtggggggt gcaccggctc tacggatgcc tcgacaggct gtctcgtgtgc 60

```

gcgtcctggg cnggaggggc ttctgcgacg ctcgccggcg gtcnatgaag aggctctgcc 120
cagcagctgc gacttctgct acgaattccc cttccccacg gtggccacca acccaccgnc 180
ccccaaggac caaaaccagg ctggtgccga ggnaggaacg tgaccttccg ctgcggccag 240
aagatcctcc acaagaaagg gaaagtgtac tggtagaagg accaaggaag cccctggaag 300
ttctcctacc ccggctacct ggcccttggc cgaaggcgca ccttgaagca tcatcgccaa 360
cgccgtcaat gagggcacct acacctgcgt gggtgcgccg ccagcagcng ttgctgacca 420
cctactcctt ggcgagttcc gtgtgcgggg ctgagcggct tgaataaagc aatttctctc 480
tgaaaaaaaa aaaaaaaaaa ag 502

```

<210> 63  
 <211> 285  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA152200

<220>  
 <221> unsure  
 <222> (1)..(285)  
 <223> n = a or c or g or t

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<400> 63
tactcttccc tcctcattta ttttggaatg tgctagaaac agcttgaaac atccctttaa 60
tagcttcccg gcctcacgag tgttgaatga catgacgaat tctccttcat agaaggtaca 120
ggtgaaccag aactggaggg gcatttggga tccttccttc ttcagaaagt gcgatcgcat 180
caagatgcat gtggttttca gtagaactgg cccatgtttc ttgggagcga ggtgtccaaa 240
ccactgttca tccatatttc cnggatgatt tgctcccngg gctca 285

```

<210> 64  
 <211> 457  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA156565

```

<400> 64
atagtaaata tttaattggt tccatcagca attccagcac aagttttcct ggatggtagg 60
cagaatcaag ctacccaagg gttcatgatg aggtatgggg gtcactgagg agacccccag 120
agtcactgac ccctcccgcc acctccacac accaggtggc cctgcagaat gagggttggg 180
ctgatagaat gtcaattagg ggagacagga tacaggggtga gggaacaggg tctagcttgt 240
atatttgcct gcaggaagga gggagggcag gagagactct gcatagaagg actggaacta 300
cacatttaag ttttcaaccc caatatgcag ggggaaacag ccaagccact ctccatctgt 360
ctagtattag gaacctctct tcaagtgggc ttttgtcatc tctgtttctc ttcccaattc 420
tgtattccag attccaaatt ctacaattga aacccaa 457

```

<210> 65  
 <211> 428  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA156897

```

<400> 65
cagacatgga aatataattt taaaaaattt ctctccaacc tccttcaaatt tcagtcacca 60
ctgttatatt accttctcca ggaacctctc agtggggaag gctgcgatat tagatttctc 120
tgtatgcaaa gtttttgttg aaagctgtgc tcagaggagg tgagaggaga ggaaggagaa 180
aactgcatca taactttaca gaattgaatc tagagtcttc cccgaaaagc ccagaaactt 240
ctctgcagta tctggcttgt ccatctgggc taaggtggct gcttcttccc cagccatgag 300

```

```

tcagtttgtg cccatgaata atacacgacc tgttatttcc atgactgctt tactgtattt 360
ttaagggtcaa tatactgtac atttgataat aaaataatat tctcccaaaa aaaaaaaaaa 420
aaaaaaag                                         428

```

```

<210> 66
<211> 602
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA158262

```

```

<220>
<221> unsure
<222> (1)..(602)
<223> n = a or c or g or t

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<400> 66
ggtcgagctc aggttctgct tgccggggtgc ccagtgaagc cgacagagcc tcgagtgctt 60
gatcactcat tgtatccttc tccacctttc ttttcttctc ttgggggtgga gcagcacttc 120
tgactgtccc tgctgactga gcttttataaa cttctgtaga ttctctcttt tcagttttct 180
ttccagcagc tgtaggcgac ccacaggtga agtcagatga caaggcgtct atagcatcat 240
ctggccctat gggtttagcc aatagttccc tatatttttg aggaattgtg acttctcttt 300
taccgaattc ctctatgtag gtggaactca ttggatctga aacttctggt ccagtatacg 360
ttgtattttc ttcttcagtt tcttcaggtc ctctaaagt atctattaag tcatccaaag 420
cagcatccat gcctgacttt cccgatgggt tatccgggtt agattcaact ggcacagctg 480
gggttaatga tttcttttct tttttcttgt canccggctt gcagatattg cagtgatacc 540
agcaacantc tctccaccag cagaaatcat gtcttgtggg ttagtccttg ggtcnggtga 600
tt                                              602

```

```

<210> 67
<211> 392
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA159025

```

```

<400> 67
ttgatgtcta gaaacatctt ttattttgggt aacagggtccc aaaacagggtc agttaataaa 60
atagattcta aagaatatgt ccctatgcac agccctccct ccccaaaaat aacgctgggg 120
gtaggcattg cctttccccc ttgggctcct cgggtgtatt taaaaaaatg ttttggcagc 180
tcagtgttta tcatctgggc atgggacacc atgtccatgt ccccatattc ctaggggtaca 240
gcagcagtag atggctgcaa caaccttcct cctaccccag cccagaaaat atttctgccc 300
caccccagga tccgggacca aaataaagag caagcaggcc cccttcactg aggtgctggg 360
tagggctcag tgccacatta ctgtgctttg ag                                     392

```

```

<210> 68
<211> 476
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA165312

```

```

<220>
<221> unsure
<222> (1)..(476)
<223> n = a or c or g or t

```

```

<400> 68

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```

tcgtnnntc ggttctgaga aataggcact ggcaatttac acatgccttg ctgtgtaatc 60
tcactatatt tgctcaggca aagtgggaga agcagcctta ggttttcatt ctagagatgc 120
cggctttccc acctgatcgg cttagagtgc acgattgact gttttgggct tcatttcacc 180
ctctacataa caagcgggtg gactagatgc cttagcaagg gtccgtgttg tgtgggtgtct 240
ccagccacgc actcagctca atcttagcac agttaaaaaa tgcctttcta gcaagttatc 300
tgcccagtgc ctgaaaaagt atcatttctt gtgttcaata aaaaagcctc ctaatttaat 360
caaggaccta tggagataac tgtcttttag ttgtggcatt gcaaggatac aaatgcagag 420
atatttttaa agtgatcctt ctgtaagagt gaaccacga tatgatctgg nagcaa 476

```

```

<210> 69
<211> 479
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA165313

```

```

<220>
<221> unsure
<222> (1)..(479)
<223> n = a or c or g or t

```

```

<400> 69
cacaagcccc cacgtccata gccaaagtttt ccccggtttc ccagcagcca gtgacttctg 60
tagcattagg attcttatag tagttattgt ctacatttct cagcagattg aatatgtact 120
gcctcttact actggactgt ttattcttaa atgtgtacag tatggattta tgcgtctat 180
atattatgca tttatttgtc ttcttcggtg tgatggtaag ctectggagg gcaagtcttg 240
catccactgc tttgctggca acccgactgg taagcttctg gaaggcaagg cttgcatcca 300
gtgctttgct ggcaaccgga ttgctaagta ccgtgtttta agcttagttc agtctcaagt 360
gtttgcagcc acatctgaag accaataaag caactgctgg gtttatcccn tgggagctga 420
cagaatttcc tctcccaaat accatanaca ggaaaatcat aagcctgaat taccggtg 479

```

```

<210> 70
<211> 298
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA171939

```

```

<220>
<221> unsure
<222> (1)..(298)
<223> n = a or c or g or t

```

```

<400> 70
ttttttgagg cacctgtggg actttattag gtaaacagac cccagctcca gccacagggtt 60
ggaccggcca gctgacagtg cggcctcaga caccctcgcc aggttccctc ctccctcctc 120
tctcagggtc accagtgtgt gaaagatcgg ggcattgccg ccacaggggg aagcagggtt 180
caggctgccc cacctgggtc tggccctggc aggcgcccc tcacctggct ctgctgtggg 240
anccgagaac aaagacatna cctgcctggc tcctgctgcc ccgggggggtc agcnagca 298

```

```

<210> 71
<211> 596
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA173223

```

```

<220>

```

<221> unsure  
 <222> (1)..(596)  
 <223> n = a or c or g or t

<400> 71  
 tttttttttt ttcagccaaa ttcataattta ttccagtctc taacactctg ttgttatgtc 60  
 tgctgtaaga tgatcaggag ttagtatgaa gtattcttct ctacgcacca aagaaaacaa 120  
 acaaagcaaa cttcaagtca gtgaattagt taccacagtt aaaatgcatt tgattttgtc 180  
 ctttttccttt ttcacaagaa cgacagctga atactctttc atgtgatgcc tgatattttt 240  
 ctttttcttt ttctctcttt tttgagacag ggtctttaag atgggggtctc gctctgttgc 300  
 ccagggttga gtgcagtggg gcaatcttgg ctcatgtcaa cctcagcctc ctgttttcaa 360  
 gtgattcttc tgactcagcc tcccaggtag ctgggattac aggcattgtgc accgtgcccg 420  
 gctaattttt gtatttttag tagagatggg ggnttcacca tgttgggccag gatgggtctcg 480  
 aactcctgac ctgaagtgat ccacccgcct cggcctccca aaagtgctgg ggattaccgg 540  
 tgtgagccac tgtgccagct ctgatgggtga aaatttcngg tacaggccta gcccan 596

<210> 72  
 <211> 408  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA180314

<400> 72  
 ttagcaaaaa cagctttttt attgtggttag tttgtggtat gtgctcctgg atcatgcaga 60  
 aaaaaggctg ggcctcagtt agctccggga gccattctta ggacctccg gctgcacaca 120  
 gagaggggct gggtagctgg ctgggctggg gcacgcattc actgggctgg cacaggctga 180  
 ggggtctctc gccactatc attaggcccc tccagcccggt tatgctcagc ccccggtca 240  
 ggatgctcca gggcgtgccg ggtatcagcc tgccagagct gcaccaggctc cgtcgggggtc 300  
 tttcctgcca ggttcttggt catcatgtca gccccatgca ggagcagcag tttgatgatt 360  
 ttgtagcggg tgagcctcac agcgtcatgc agggcagtat cctcgtg 408

<210> 73  
 <211> 479  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA182030

<220>  
 <221> unsure  
 <222> (1)..(479)  
 <223> n = a or c or g or t

<400> 73  
 atcatcataa aaaatattta ttataaaaaa ttatcacatt tctctgtaca tagcataaag 60  
 acaaaaacac aatgtatata ttaataaatt aagtgggcct gagtattcag tatccatcta 120  
 ctagaatcct aaagctcttc cccagatttc acaaaggcca atgtagatta tttctatttt 180  
 atcaaagtgc atttgacacag ttgggtgtaat tgagatacta acatttcttt tttctagtgt 240  
 tttaaagata gttcacagta tttgaggtta ttaattaatc aactgattta aatctttggg 300  
 aaatacaagt atttacatgt aaaaatgttt agctcaaatt tcagtaaaaa actggaaatg 360  
 accaataacc tactgccaac tgttttggtg taatccagaa atgcatgagc cggactccca 420  
 ccattaagaa atggcactgt cnaggacctc ngatgataaa actggaatcc ncaaaaaat 479

<210> 74  
 <211> 313  
 <212> DNA  
 <213> Homo sapiens

<220>  
<223> Genbank Accession No. AA182882

<220>  
<221> unsure  
<222> (1)..(313)  
<223> n = a or c or g or t

<400> 74  
ttctggcaca tgattgagca tttattgacg cactaacaga ggggtgctggg ggccccacca 60  
tccttgccctc tgcccttttc acctccccct cctccccagc ttctttctgcc tagagcggttc 120  
cagattcccc tcacattttc ctggatcagg gccactcctc ccaggcacct cttgccctca 180  
ccagtacctt ttgtcccttc tcctggggct gagggctcctc agctgtgctg gnccccact 240  
ctccaccctt agtgcccact gtctctgccca cctccctttt ggaactcagg gggctcaggc 300  
atcctggcct ctg 313

<210> 75  
<211> 258  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA188981

<220>  
<221> unsure  
<222> (1)..(258)  
<223> n = a or c or g or t

<400> 75  
tttacacttt actgagacaa ttttattcac tatggatata tatacatgat caacatttta 60  
tcttcattct tcagaagact taattagagt agctttcttc tcatacttat ctctaattctc 120  
tttaatatatt tccgagagat cttctgacat gcattentca tattctctat caacttttagc 180  
aatctgctcc tcaagatgtt tctctacaga cccaacatgt gtagcaacca tctctaacag 240  
acgttgcaag ttaatttc 258

<210> 76  
<211> 506  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA189083

<400> 76  
tttttttttat tccaaatgtc tttattgaaa cagaatgata gagcaagaaa taatgagggtc 60  
tggttggtatg tctttgggag caggatggag cccagaccca gtggttacag tgtggagctc 120  
tctccctgtc ccttgactct ggccaaggaa gtgaatgcaa agcagcaggg aggaggcagg 180  
gtggggacgg cctctgagc tctccgcgat ggctggcgtg aggtgcctct gagacttctg 240  
ggcagccctg ccttccctac tcagtcttcc cgatcttctt gccacctttc tgtgtggggc 300  
agcctcccgc cagtaactca gagggcgcgc agagggcagg gttgggggtg gcaagcagcg 360  
ggacgtgggc acagcgggta ggggggtggc gccgcagcag ggaaggccgg cgacacagct 420  
ccccgtcccg gagcacctcg ggcaggagct tgcgcttggt ctccggaagc agcataatgc 480  
tgaagaatgc agaagagggc gcaagc 506

<210> 77  
<211> 513  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA193197

<220>

<221> unsure

<222> (1)..(513)

<223> n = a or c or g or t

<400> 77

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tttttgaatt tgactacttt tacttacaag agacttttcc ccatcaaacg atttcccat 60
ccatttatta cacttctgaa gtaggatttc tgaagtcac ttatggcatg taattcttag 120
tataatgcac aggattcctg tcattttgaa gcacgaggag aggtttttga tatcttaaac 180
attttttttag tgtagatgca catattctcc acttccaatt gtaatagaaa atcagtttaa 240
ggatacccta atgatgcaaa tgaaatgatt agcaaacaac tcaaatttag gagccttctt 300
tacaatccat tgagtgaac agattcacia aataatttgt tcaactgaag atttaattta 360
ttattagaaa atggttttta actctgatca ttacattgaa gagtcaatga ctgagggttt 420
cttacctact ggctcatctc ttagacaata acttcttgaa taatttcnac atgagtgtct 480
gtacaagctt ttaaaaaacc gaataaatta aag 513
```

<210> 78

<211> 499

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA195678

<220>

<221> unsure

<222> (1)..(499)

<223> n = a or c or g or t

<400> 78

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gaaaatttgc ctcttggtta ccctgtaatg gatggggccc agaaatgaaa tatttgagaa 60
aaacaagtga aaagggtcaag atacaaatgt gtattaaaaa aaaaaagcct attaataagg 120
tttctgcgcg gtgcagggtt gtaaacctgc ntttatcttt taggattatt cctaaatgca 180
tcttctttat aaacttgact tgctatctca gcaagataaa ttatattaaa aaaataagaa 240
tcctgcagtg tttaaggaac tctttttttg taaatcacgg acacctcaat tagcaagaac 300
tgaggggagg gctttttcca ttgtttaatg ttttgtgatt tttagctaaa gagaggggaa 360
ctcatctaag taacatttgc acatgatata gcaaaaggag ttcattgcaa tactgtcttt 420
ggatattgtt tcagtactgg gtgttttaaag gacaaatagc tgctagaatt caggggtaaa 480
tgtaagtgtt cagaaaacg 499
```

<210> 79

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA197112

<220>

<221> unsure

<222> (1)..(463)

<223> n = a or c or g or t

<400> 79

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aaagtataaa gtgttttggg aaaaaaggaa aaaaatctat ataaaaatct cttcacatat 60
aaaatcctga agaagggtgca aggtgagacc cagtgcgagg ggcgtgctca gatatgcagt 120
gtgtgtgtgt gtgtgtgtgt gtgtgtatcc gtgtgtacat gtgtgcacgt gtgtcgtatg 180
tgtctgtgtg tctgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtggtgg gtgcaagtgc 240
acgtgtggcc cacagagggt ggggagaaag cttggctttt tacttccatc caggagggaa 300
```

ggagggcggc tggtcctcca gccttggagg gtctgcagct gggcgggacc tctactcagc 360  
 caggctgttg cgcacgcact ccttctcctg gagggcggcc atggcaagac gcagggtgctc 420  
 cttcagctgc tcgatctccc gctcagaccg tgtctngatg tga 463

<210> 80  
 <211> 404  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA205376

<400> 80  
 aagatttgaa ttttttttat tatcccagca aacattacac tagagaaaat gattgggaaa 60  
 atacaaataa gttcattaaa aacacaggct gattattcat atctattaca ttcagaatta 120  
 tgcgaaacaa ttagttatat tgcaaagctg taattctttt tctaacaaag catgatttta 180  
 taaaacttta atgttgccac tgattcaatt ttaatacaaa atacttatat acacaataca 240  
 atataaaaagt aaactgtgta gtgccttcca caaaggata tattaaggcg ctttacaat 300  
 ataccaatat tttgacccaa attacttttt gcttttagatt aaaatgaaca ggctaaatgt 360  
 tccactttaa ataccaaagg gatggtttat taaaaatttt ttat 404

<210> 81  
 <211> 523  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA205724

<220>  
 <221> unsure  
 <222> (1)..(523)  
 <223> n = a or c or g or t

<400> 81  
 cccattgggt gacagcgttt attgaaagga aatcttgctt tatccaggaa ttcactcaca 60  
 tggaggtagc tgcaaggaga atgtctcttt ctcatgacaa ccaaagcgac caaaccatac 120  
 cctaaagcag agacgcaatg gaataagtca acgggcattg tagaacgaca ctccagaagca 180  
 ggaaaaacca taaaagatac aggatgattg tctcttcagt attgcatttg gccatgtatg 240  
 tgtttttaca taaaatatat gttttctttt taagctagct aaagaaaata ctcttgatcg 300  
 gggttagttc ttaaagcaaa aaacagaaga aaagtatgta tatataatan aattaaagaa 360  
 cgatagcatg ttatacctgg aaaggaccgt gggcactaat ctgcactttg ttccaggtaa 420  
 tccatggctc tgagagttag cacactgtca aagtcactgg ggtgagatga gccgggactt 480  
 ggaaaaccct ctcttaactt tcagtctcaa ctctctccac tcc 523

<210> 82  
 <211> 587  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA211443

<220>  
 <221> unsure  
 <222> (1)..(587)  
 <223> n = a or c or g or t

<400> 82  
 catttagtca aatatttatt tgaactcata caaagtttag tgacataatt taaaagggtga 60  
 agaactaaaa cgcattccaa atattgacca aaatactgta ggaagtagct tgggaaactt 120



```

ttcatcaaaa tcgttaggca cattgccata tcattctcca taaaatcata tccctcctca 180
aaaccacacc ctccaggtgt tgaatttatg ggctaatttg ttctgtgagg tgccaaaaat 240
gaagataaag taagaaatac agccaactag aaggaagaga tataaatgta caaacaggcc 300
atttctgcta gagtctcagg cattcaggag gttcacaatc atcatacaaa tatataaaat 360
tttagtgagc tattgaatcc atcttctgcc tctttatttc ttcacatcaa tccttttttc 420
ttcctactac tggtcagctt tggggacata ttttaggttc acttttaata ttctggattt 480
ccgatagatt gactgcaggn ccgggagggt cctcgctccn ggaattggct tcttctcctc 540
atccgaggtg ggaggacacc ctctccact tcgggggaca ttctttt 587

```

<210> 83

<211> 382

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA214688

<400> 83

```

gtttgttttg tgggggttaca cgggggttcaa catgcgtatc gaaaagtgtt atttctgttc 60
ggggcccatc tctcctggac acggcatgat gttcgtccgc aacgattgca aggtgttcag 120
atthttgcaaa tctaaatgtc ataaaaactt taaagagaag cgcaatcctc gcaaagttag 180
gtggaccaca gcattccgga aagcagctgg taaagagctt acagtggata attcatttga 240
atthgaaaaa cgtagaaatg aacctatcaa ataccagcga gagctatgga ataaaaactat 300
tgatgcgatg aagagagttg aagaaatcaa acagaagcgc caagctaatt tataatgacc 360
agtttaggaa aataagagct ca 382

```

<210> 84

<211> 398

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA216589

<400> 84

```

cacaaattta agtttggttt atatatttta ttgacatggt tactcaatgt ccacatcatt 60
ccatctgcat cgtcttecta caaacagttt ttcttctact attcggttat ttctcctttt 120
tttgtttctt atttcagaat caaatttatt ttacttgcaa agtcagtgga atatggtttg 180
gaaccagtag ggcctctaac ttaagcccag aacctgtcaa agagaagtgc agtatcattg 240
ctaagacttg aacagtttat ctctcagaat cttcagttcc tttgaatttc tcagctctta 300
gtgtaatctg ttttatgtgt ttggtgtaga ctccatttta tgggatagat ttccaaaata 360
atthttgggta atccaactgg gtatttttagc attcccg 398

```

<210> 85

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA219100

<220>

<221> unsure

<222> (1)..(378)

<223> n = a or c or g or t

<400> 85

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tttttttttt atgcttgaac taatttattg atgagattct catttctgta gtataaaagg 60
aaaatatttt gcagttatct cgtatttgaa agactttgcc atagagaact ttatcagaaa 120
tggatgaact ttccattatt tcttataagc atattggttt tggcctgctt gagtttaaaa 180
cttttttttg tagacntaga atgttaatat ttagataaag aaaatatttt acngaagaca 240

```

```

ttaccagaaa gtaaaataac ttgaacattt cngtattagc ncnttatcag agaataacat 300
ttatttttatt tggaaagttt tccnaaatat gagacnatch gcnattttctc agacnaagtg 360
aaaaatttaa taaaatag                                     378

```

```

<210> 86
<211> 444
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA219304

```

```

<220>
<221> unsure
<222> (1)..(444)
<223> n = a or c or g or t

```

```

<400> 86
gcttgggcaa aagtcttcag aacaaaggct gtgagcaggt gttgccctgg ttcctgccat 60
atcgctcccc aaaggtgctg taggagccat catagtgttt gtagttcaac tgtctctggg 120
aaccagtgtt gagatagcca atggcttgga cttgacctct ggagtaagct gctgtgtttc 180
atttagataa tccagtacat agatgttagg agcaaagagg accatattct gctctccaca 240
gccatagggc atctggagaa gattttgtgt gttttgcatg gcagagctac atatgtctcc 300
caaaactgag acagaagctc gggcagattc ttctaccaca ttggtggca gtttcagggg 360
taattcttca gaaacctcan cacctgntgg acnaagtagg gagttgaatg ttgtttcctt 420
ctctagtcct tcaggttcaa ccaa                                     444

```

```

<210> 87
<211> 341
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA219552

```

```

<220>
<221> unsure
<222> (1)..(341)
<223> n = a or c or g or t

```

```

<400> 87
tttttcagtc atgattgggt taaaagttaa attggagacn ttgccggtgg nnaacaaaat 60
ganggcatac aactgtcaca ggcagggcag taagtacaaa gtctagctgt aaaaaccgtt 120
tgaaaatata aactcgtttt tggaatacat gtgtcaaagg ctgcccattg taataccttt 180
ggtataaaac ggtaacgatt cccttgacaa acccatccat cacctgacgc acattcacat 240
ctcctggtaa ctactctacc tagtctagtc tcaaccaccc ctgtcagtca cgactcactc 300
ctgttccttt gcaggtgcag aggagcctgg gaggtaggtc a                                     341

```

```

<210> 88
<211> 323
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA227926

```

```

<400> 88
atgtaaacta tcaaattgtt atttaaattt ccatttaaaa tattttcaag taaaatatgt 60
acaaaaatgg ttataaaatg gttgaagcaa ctagaagcgt gacaggtata atacatataa 120
atacaaccaa aattcaattc aatgcaaagt tgaatgacat catattgcac caaaatttat 180
tccatacaaa agcacatgca tcaagagttt ccataagatg aaaacaaaca cacttacttc 240

```

atagcatctt accacttact tacacaaata gcccataaac accatctggc attgtgattg 300  
cagtaccaga actctcccca gag 323

<210> 89  
<211> 469  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA227936

<400> 89  
tttttttttt tttaaaaaca gaagcgcgac catttcttta ttaaattata caaaaggggtt 60  
ggggaggggg gcagctgtgg ggctcggcac accccgggccc ccaccccggc ctggcgctgt 120  
ctgagaagag gggatctgag ggagatccag ggatcaggca ggatagggat ggggcaggac 180  
atgaggctgg gggatgcaga ggtaggtgg gagaggctac cggagtaaga atgaggctgg 240  
taggggaggg agaaagagag caaagagaga gaggagcaat tgggggcccag ctggagagct 300  
cagatggagc aggtcaggag gtggaacaat ggcagagtga gggaggagg cgcagtgtct 360  
ggagaggcgg aaatgagaag gctggggaga aagaagaggg tggcagctct ggtgcagggc 420  
ccagagcagg gagccagggtg aagagtggct ggactttgct gccccacc 469

<210> 90  
<211> 462  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA232266

<400> 90  
atctttctac tttcttttaa tatcattttt taaagttggc aagcagctag acatcattta 60  
gaagcagacg ggttaaaata gacaagaaat agcaaagaca catccttcac atcgtagaga 120  
actgtattag tatccaccac caccatcaca ggggagggct agctgtcact ggggtcagga 180  
gtactctcca ttattgtgca ggggaccaga cagcatttag gtgtgacgat gtcaaactga 240  
gtggacatag agagtgccgg gatcaaggct tacagttttg gctctagact tgcgtgaggg 300  
ttggttactc ttaatctctt ccaggctgtg ctggatccca tagccgaagt agatagcaaa 360  
gccaatcagc atccagaccc caaatcgggc ccaggtagca gctgtcatct gcatcataag 420  
gtaaataattc acagagatgc tcattagtgg gaggagaggg aa 462

<210> 91  
<211> 401  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA232508

<400> 91  
gagggtacat cgggggagag gagaggagag gagagcctct ctgtgccttg gtttcccatt 60  
tgtgcattca gggcctctgc aggtcacac agggagtctg aggggatagt gtttaagtga 120  
gcactcaggc ttcctctgag gaaaagaaat gaccaaagtg cagactttta ttactgccat 180  
tcctgctcct aatgggagca ggagtcaaaa ggaaaaacaa attaaaaggg gctaattgaga 240  
aaggaggaga gatgagacag agagtgtgaa gggctatgag cgtggcatct cataaattct 300  
tattgagaat ggcacaggta ttaaaaaagt ttctgggtag tctacgagaa atgtcaatta 360  
ttatctctac tacaactact tacatatatc taatgggaaa a 401

<210> 92  
<211> 387  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA233347

<400> 92  
gctgcaaaca tgcagagatt tcattttatct tgtttggcac atgggaacta cattttgttc 60  
ctattatctg tgtgtttcac tttgctgtgc agattttcat ccaatttttt tcaggggagg 120  
gcatatacat ttgtagggtc gtatctatcc aattctgcct gtaacaaaca cccaaacatc 180  
ctaaaatatc aattataaga cagacaagtg taatgtaaaa ctctggagaa catcaaagaa 240  
aaatggccat gcatctgctc tttaatgttt tcttacgata tattaaaata aaaacaaagt 300  
ttcagtctct tcacaagaag taatttatat tctctgaatt ttttcagcca caacaactgg 360  
attctctttt ctgatttttg ctgcagc 387

<210> 93  
<211> 403  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA234095

<400> 93  
attaatgcaa acatattttt attaaagaat gaatgcattt atgctaaaga atagcttaca 60  
tatgttgtaa agcaacaagc atatcttcaa gaagtgtgct ctctcaata tgactccatg 120  
cttattctac atgcctgaaa actgggcccac cacacagggg cacacgtaca cgcacacaaa 180  
cgcagatacg gacacacaga tatgcagacc gaaatgctga caccatcgct ctctagattg 240  
gattagctct catttaaggc ttcttaggtg ccgcagtgcc cctaataatta ccaggattga 300  
aaacagactt ttaggaagga gcagcattac ttcgaaaagt agtcactctg tcttgctctc 360  
caatgtgtgt attttaacaa ataccattta attctatgtt gac 403

<210> 94  
<211> 103  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA234634

<400> 94  
cagctcacgc gggacctggc cggcctcccg agtctcttca agcagctgcc cagcccggcc 60  
ttcctgccgg ccgccgggac agcagactgc cggtaacgcg cgg 103

<210> 95  
<211> 291  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA234996

<220>  
<221> unsure  
<222> (1) .. (291)  
<223> n = a or c or g or t

<400> 95  
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tagcccgtgg cgagagggtt cacgtggcta ttgtggaaca gagtgtggtt gccgtcccc 120  
caggggtagg gcttggtgcg gatcgagggt tgttggtagg gacggaactc ggggcgcggg 180  
cgggtggccag nantggagat aggtagtga aggtgcagag ggccacgctg ggcagcgag 240  
catcgaaggt cagcagacgc caggtacgag ctctgtctcc tccgtggcct t 291

<210> 96  
 <211> 139  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <223> Genbank Accession No. AA235310  
  
 <400> 96  
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 gctggcctta gctttaggag aaggaactcc aagagcagta gtgatctctg agatcacctt 120  
 gttcacccctc ctcggggca 139  
  
 <210> 97  
 <211> 382  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <223> Genbank Accession No. AA235618  
  
 <400> 97  
 acaattttaat aatttattac attacagtgg catcacacca gcagtcaata aggccactct 60  
 agggaaaaat ctttcagtat ttccatgaca cattctgttt acaataattc ataaactggg 120  
 aaaattcatt ctaagaaaac ttggcaaatg aaactttgga ctggaattgg catttctttc 180  
 tctgcttttc gttcccacca tttctttctt ttatactaca gtattcatat tttaaaatgt 240  
 tttaaattat ttcagaacat taagatagca gttacatttt ttaatagtta tattatttta 300  
 aaatgactct ttaaaataaa gttttagaga aactatatta tggatagggc tgatttacat 360  
 tttcaaattt tctaaaatca gc 382  
  
 <210> 98  
 <211> 175  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <223> Genbank Accession No. AA236241  
  
 <400> 98  
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 tgacccacgc cctgcatccg ccggaagcg tccccttact cccatggggc acctcgatac 120  
 cagctgccct gccctgactc acttctcagc acccatctta cggcagtcgg ccctg 175  
  
 <210> 99  
 <211> 401  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <223> Genbank Accession No. AA236455  
  
 <400> 99  
 tttttacgaa accaggttta ttaaaatttc tctacaagtc agaaacggcc atctcactgt 60  
 tcacatatat acacgtatgt acaggaagaa cctagtgttt ctagctttcc cggcagaagg 120  
 ccctgccagc ccagagtcct tagtcggata atgtatcaca gatacaacag tcgagcaacc 180  
 acgagagcgt tagtgcgaca gaggcctctg tcctccctct tctcaaagtc ccatgattct 240  
 gtcaaggtaa tattgccaat aatcattcac atttcacgtg gtttttagaca cgcagggttat 300  
 tcagacagac acagacaaca aaacaagcct caaagccaga acaaaacaaa acaaaaccaa 360  
 atcgaacata ggtataaaaag gtaaaatata tgtacaaagt a 401  
  
 <210> 100

<211> 533  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA236476

<220>  
<221> unsure  
<222> (1)..(533)  
<223> n = a or c or g or t

<400> 100  
tttttttttt ttttctcatc actgagtatt tattatatat aacaaataca tgggaaagaa 60  
aaaactatat tgtgtgatat aaatagttta ttacattac agaaaaaaca tcaagacaat 120  
gtatactatt tcaaataatat ccatacataa tcaaataatag ctgtagtaca tgttttcatt 180  
ggtgtagatt accacaaatg caaggcaaca tgtgtagatc tcttgtctta ttcttttgtc 240  
tataatactg tattgtgtag tccaagctct cggtagtcca gccactgtga aacatgctcc 300  
cttttagatta acctcgtgga cgctcttggt gtattgtctg aactgtagtg ccctgtattt 360  
tgcttctgtc tgtgaattct gttgcttctg gggcatttcc ttgtgatgca gaggaccacc 420  
acacagatga cagcaatctg aattgttcca atcacagctg cgattaagac atactgaaat 480  
cgtacaggac cggaacaac gtataganca ctgtagtcct ttttttcaca gtg 533

<210> 101  
<211> 308  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA236545

<400> 101  
tttttttttt taacgttttc aaaatctatt tttatttttc ttcagtatta cctgctgttc 60  
ccaagtggct gggtaatcta tgggttatat tttcatttac cctcaaagct aggctgccag 120  
tggaagctaa gaataacaca attaaattca agtttctcta gaaaatatga caaatcaaat 180  
tttaagaaaag tgtaacttgt ggttttgctt tggttcaaga tggctgatct gagaatatca 240  
aagcatttaa ttcaaactaa tagtgtgtcc tcctcctagg actagaaggt aatttttctt 300  
ttaaggag 308

<210> 102  
<211> 297  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA247204

<400> 102  
agatacagag ataaacgagt acatgattat gatatgaggg tggatgattt ccttcgtcgc 60  
acacaagctg ttgtcagtgg ccggagaagt agaccccggt aaagagaccg ggaacgagag 120  
cgagaccgcc ctagagataa cagacgagac agagagcgag atagaggacg tgatagagaa 180  
agagaaagag agcgattatg tgatcgagac agagaccgag gggagagagg tcgatataga 240  
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 tctcacagggt agaatgaact gtgtactggc cacatatgga agcattgcat tgattgtctt 180  
 atatttcaag ttaaggtcca aaaaactcca gctgtgaaag cacataatgg attttaaact 240  
 gtctacgggt ctaacctcat ctgtaagttc catgcctgga gaagctaatt ccacctaatc 300  
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 <212> DNA  
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<220>  
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 gtcccgactc ctctcgggag cctggaggag tcccggtagc gaatagatca gatgcctcat 180  
 cctcgttcac cccaaaaggc tgagaccctg gtgtgtcctc ctcgaggacc ctccctgttt 240  
 ctgggtgcta gaggccgttg ctgtttctgt gacagaggga tggctttggg agtccaaag 300  
 aacctaacca agttttttta agaaattcgg gggacgaagc aataaccgct tggccccctt 360  
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 aattttttcc ccccttattt tgaaaaaatg cattttttt 458

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<220>  
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 tccctcccac tgtgtcctc aggcaataga tgattggcta tttctttacc tcctgttttt 180  
 gcctaattag catttttagt agctctctga ttgggtgggt gtgagctaag ttgcaagccc 240  
 cgtgttttaa ggtggatgag gtcaccttcc cagctagggt tagggattct taatcggcct 300  
 aggaaatcca gctagtcctg tctctcagtc ccctctctca acaggaaaac ccaagtgcctg 360  
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<220>  
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 tgtcccagta atgccaactt ggagggtgaag ggctgactgg ggcagctgag aagtgggacc 180  
 ttctgttttg caggcttctt ctcccttgcc tgggtcatgg tttctgggtga gaagagtgtt 240  
 cctggccttg ctggagggtt ccatggcccc gaactaacag tgtttttctg aaatttcgac 300  
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<212> DNA  
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<220>  
<223> Genbank Accession No. AA252219

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caataatacc agggagctga gtaatctaata acaaagcaag acaaagccag ggtcactgga 180  
agcagcagtg gtctttctga ggaagttgca gctgacacc aacctgaatg aagtgatgta 240  
atggaaaata gaagtgtttg aaggaagatt gcttttagtaa ctgaggagga gagaggaaag 300  
aggagaaact gcacaagtgg gtagagatgg gaaagtcctat ggcctatggg gaagggtgagg 360  
aagttgactt ttatttttcaa tgtgccgtg 389

<210> 108  
<211> 281  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA252528

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ttagggcaca ctgccctgcc ggcatagcca cagcttcacc acccaggaag ctatgctgag 180  
ctttagtgtc cagagttttt attagggttt catgatgtac tgattaaagc actggccaga 240  
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<220>  
<223> Genbank Accession No. AA252802

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aggttccagg tgctgaaaat gaacaattac atacaggaat agaggcctac tctgcactta 180  
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aacattgagt cctagtgggt gaggtgtggg ttgttactat taaaaatcct tgttgatttg 300  
ggcacaagat agactgaaat tgactgtagt cctcacggtg agtctaattg cagcaacatg 360  
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atgccatact gctagagatg agggaagaga gccccaagca ggaaaacatt gatttgctgt 180



acactcaaag ggcattctcat gccttcagtc caccgcctcc tcgggccaca gcccggtgcc 240  
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ctggtggtcc tcgggcaggg gcggct 326

<210> 111  
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<212> DNA  
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<220>  
<223> Genbank Accession No. AA256268

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tgaaggtttg caaaggttat ttgtgtctta gttatttctg cacttaatga cacatcagac 180  
gcattgagta tatttcataa gttgttgact agcaaagata caatcattag taaccaagt 240  
cttcaaaatt cacaccaaac tttatgaagt cattcagaaa gagaaagtca atcctaaaat 300  
taaaattggc aactatgata aataccttca aaaggatgta gatgtaatgg agatgtttta 360  
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<210> 112  
<211> 355  
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<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA256294

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cggcccgcgt cacgcgcctg ctggacggca cttcagggca caaccacac gcgtcttttg 180  
acttgcagac attccgcgag gcttctggcc tctcgaaggc aaagcttttc agcgatttca 240  
ttaatatctt attacgctga gatgagatga aggcagatgc tacagaaata tgtcagttta 300  
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<210> 113  
<211> 196  
<212> DNA  
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<220>  
<223> Genbank Accession No. AA257093

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ggatatctat tgggatgcag agaggtgaga gcagctcttc agaagcgctg gcaaaagaag 180  
aatgtgtatt gaaacc 196

<210> 114  
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<212> DNA  
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<220>  
<223> Genbank Accession No. AA258476

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ggaatcggta gcctcttttg tatggccact atgggtggtag acactgtcta cgttgtttgc 180  
tgagtcttct ggctttcttc cactcttcct gctcttggac atcagactcc aggttcttca 240  
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<210> 115

<211> 377

<212> DNA

<213> Homo sapiens

<220>

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ctgtgtcata atggaaacag catattagga gaaaaatagt atttcgtgtg ctgtctgctt 180  
gagtaatcaa tctggagatg caagttaacc gaagtgcac tgccaagcca tcagcgtgag 240  
aaaaaaaaac caccagaagt tgcctccaga taacgatgta gtggcagcat gataactggc 300  
atcaactcac ggtcttctca ttttcccat tttctataat tttcctcttc ttttcatcta 360  
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<210> 116

<211> 181

<212> DNA

<213> Homo sapiens

<220>

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atgtttacct atgaggtagg ggtaagaggt tagatatggg agtaaggact ggagattaaa 180  
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<210> 117

<211> 419

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA279313

<400> 117

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ctttattctt gttggtttgc tttgaatccg ctccgtgtaa agtcagctaa ctctctcggg 180  
cacgggcgtc cggtgtcca aaggctcctc tctgtttggc cttggaatgg aggatgaaac 240  
aatgtctttg ggctctccct cccctcgggtg tttgtacttt tctggggccg ttgcgggggtg 300  
gcaaccggg gctgagtcct aaccgggtcc ttggggcaac cgtcgtctc cagtgaagct 360  
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<210> 118

<211> 513

<212> DNA

<213> Homo sapiens

<220>

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 agccctcaca ttctcttgat ggaaaaaagt tttgtcaacg atattttcaa tctgctttgc 180  
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 <212> DNA  
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<220>  
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 atgcaactag agaacatcag ataaattata gtaatttgtt tttaaaaatc cattaaacta 180  
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<210> 120  
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 <212> DNA  
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<220>  
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 taagtgtcag acatcttgac ccactactcc ttactattcc agtgtctatt tcctatatac 180  
 aaagggaatc taccaggtaa tcatagtaca acaatcaaaa cctggatgtt aatactgatc 240  
 caatatgaat ataggatcct caggtgccat tcaacatttt gcctcttctc ctttatattt 300  
 taaaattata tatgactact tacatttttc tagaagaaaa aatagaacaa taaatcacao 360  
 aatgcc 367

<210> 121  
 <211> 427  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA281145

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<210> 122  
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<212> DNA  
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tcggctgatt gtgtccg 257

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ttgtaaaatt tatttttcgta tttttaaggc gtaatacttc cgtataaagt atatgcaaga 240  
gataaaaactt cacagtattc caaaatgtca caataataat aataatataa tagtataatg 300  
aagcgctaca gttaattttt ctttttttga atgttttttt tcctgtttta ataacaaata 360  
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<210> 124  
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<212> DNA  
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gtagacaatt ctttgaggaa cagtaaatga ttattagaga gaaggaatgg accaaggaga 180  
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<212> DNA  
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atcacccatc tgaaattcat ttacaagggt tttacattaa taaaacagta gtgtggtaca 240  
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 <212> DNA  
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 cc 242

<210> 127  
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 <212> DNA  
 <213> Homo sapiens

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 ctccggttgg gtttggccta aaatttttgc ggaagaacct ggggtgggcca tttcaaacca 360  
 agtggatccc tcctgaaaag aaaagttccc ttactaactg cttctgagcc ctcttttaag 420  
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 <212> DNA  
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<223> Genbank Accession No. AA287389

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<223> Genbank Accession No. AA287832

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<212> DNA  
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<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA292328

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atagagacag ggtcttacta tggtgcccag gctggtattg acctcctggc ctcaaacgat 60  
cctcctgcct tggcctccca aagtgtctggg attacaagca taagccactg caccggccg 120  
agagggggtt ggaatgaagg tagaggcagg gggatgaagg cgccagagct gaagaccagc 180

```

ccccagaagc cacacccctg cccttctagc agctacgggt cctctggctc cgggccttgt 240
aaacctcgat gagcagggtcc ttgacgtact ggatctcgcg ctccacggac tctgcccgtt 300
ccttcagctc gcgattccgt gcctccagcc cctggaactc gaccctccag ggcctcacc 360
tctgcccgtc tccgctggcg gtacctcaga gccgccgact tgttctggctc tctctacttt 420
tgcttgcggt c 431

```

```

<210> 133
<211> 318
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA293187

```

```

<400> 133
atggtacaaa aatagtttat tacaaaagaa atccaaccaa aatgcttaat aatttacatc 60
gtgatccgtg cccgttacgg cccacctctc ccctcctcag ttatctggta gagagtggag 120
gggagtggct gttccctggg tccaccagct ctgggagggg acatggaaat ggaagatgtg 180
ggtggcattc cggacaggga ctggtgcctg agaatgctgg ggtcagagtc ctgggaggga 240
gcgagatggg ggaacatctg tgctcagaag aggggggtgta tgggtaggtg catgtgcttc 300
tgtgcaaata ctggtccc 318

```

```

<210> 134
<211> 424
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA293489

```

```

<400> 134
tttttttccg tagtccaaag gctttattgt tctgctgaaa tgcttacaaa tactgaaaac 60
ccccagcctg ggcccaggca accaagggtc caatgctggg aaggagagca ggggaggtgg 120
gcttagtggt aaggcgtgaa gggcgaggcc agacagctgg aggcctggct ctccactctc 180
catttccatc acccttcgga ggctgaagga agggcgggcg caccacaggg cccttcccct 240
ctgctgcata atctcctgct caggctttct ctctaggcgc attggaggaa tcctctttcc 300
ctgtcggaaa ctcaacactg tacagaactc caaccataac ctttctagct tcctctccca 360
actgcatacg tcctcctctg ttccatagat cccccggctt catcccttct ggctctaagc 420
aagg 424

```

```

<210> 135
<211> 340
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA298981

```

```

<220>
<221> unsure
<222> (1) .. (340)
<223> n = a or c or g or t

```

```

<400> 135
attcggcacg agtttcaaag aaaatagatt aggtttgcgg gggctctgagt ctatgttcaa 60
agactgtgaa cagcttgctg tcaactcttc acctcttcca ctcttctct cactgtgtta 120
ctgctttgca aagacccggg agctggcggg gaaccctggg agtagctagt ttgctttttt 180
cgtacacaga gaaggctatg taaacaaacc acagcaggat cgaagggttt ttagagaatg 240
tgtttcaaaa ccatgcctgg tatTTTcaac cataaaagaa gtttcagttg tccttaaatt 300
tgtataacgg ttttaattctg tcttggttcat ttgagtattt 340

```

<210> 136  
<211> 535  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA308998

<400> 136  
aggctctact tcaggtgctg ctataatgcc tcatctaatac aggactaaat tgtgtaggaa 60  
actgcagtgg gaagaatatg ctttctgctc aggctaagag ggtcactgat ctgtccttag 120  
aaattcagag taacatgagc aaaacctcag ctaaaaccca tttaagtggc atggattgtg 180  
catgatcttt gataagaatt cctcatgtac ttgtgcctag tttttcaagg tattggctgt 240  
tctatagatg cagtgattgt cccagctagc tctgttacca gccttttggg gtgtctttat 300  
gttcattttg agagtcaggg cgaaagacag gtgatgtagc acttctgttt ttaataatta 360  
ttgcttaaaa tacctattaa tagttttggg tcattttaag ggacttgagg aagctacca 420  
ggattacaga agagtgtcca cctaacaaga tggctctggc gtttcctagt tttgtatctg 480  
gttcaataga aatatgtgaa agtggtaatg tcatcatttg atgcagagtc cgggg 535

<210> 137  
<211> 324  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA312946

<220>  
<221> unsure  
<222> (1)..(324)  
<223> n = a or c or g or t

<400> 137  
gaagttaaag gncactttat tnactgacag attgaaaact gtaactccag gnagtgcaaa 60  
atgcaccaca acccaattac aaagaacagg tgttaacaca caatgtttta acaatgctac 120  
actcattttt ggcaaagtgc tgtattgttc agtctgtgta caaaactgac catctatgan 180  
ccaatcagta taaaaaattt ctataaaanc aaaatttagn cagtggctca agaaaacaag 240  
ctgccattta tgcatagnnt gatgtacagn aacctaacca aatgtccctt ttgaattttc 300  
aagttactga aaaaaaatgt gtcg 324

<210> 138  
<211> 428  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA316686

<400> 138  
gggatgtgga gctggagttg gagactgaga ccagtggacc agagcggcct ccggagaagc 60  
cacggaaaca tgacagcggg gcggcggact tggagcgggt caccgactat gcagaggaga 120  
aggagatcca gagttccaat ctggagacgg ccatgtctgt gattggagac agaagggtccc 180  
gggagcagaa agccaaacag gagcgggaga aagaactggc aaaagtcact atcaagaagg 240  
aagatctgga gctaataatg actgagatgg agatatctcg agcagcagca gaacgcagtt 300  
tgcggaaca catgggcaac gtggtagagg cgcttattgc cctaaccaac tgatgcgtgc 360  
tttctcaaata atacctactg gattaattta tggcaataaa attttttttt gtctttttca 420  
gtttttatc 428

<210> 139  
<211> 160  
<212> DNA



<213> Homo sapiens

<220>

<223> Genbank Accession No. AA328993

<220>

<221> unsure

<222> (1)..(160)

<223> n = a or c or g or t

<400> 139

```
gcttttagagc agttatggga gttatagatt ataacatatt agtgatttgt gaaacttttt 60
tactaaaatg tgacctcat ttnctttac atgaaagaac atagaatatt tcacaatgca 120
tcccacgtgg taagaataaa aaattgtttt agttatatgt 160
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<210> 140

<211> 359

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA342337

<220>

<221> unsure

<222> (1)..(359)

<223> n = a or c or g or t

<400> 140

```
agagataacc agtttatttt ggggagcaaa gagaaagggt ccctaacccc agactgcctg 60
cgaagaggtg aaatggaatt gaatgggatt atgggtcagcc aaggcttcct agtggagctg 120
ctacctganc tgagttttta gaggggtagg aaagaaaaaa tgtagtgggt cataatggca 180
ttccagatac aggggacaca aacagctctg tgtttatgaa ctacaaccag ttgttgactt 240
ttgtttcaag tggtccccc tcccagtgac tgtgtggacg atggactgaa gaggagaagg 300
ctgggagcaa gggaccagta agctgttgca gcagtgcagg tgagatatga ggcctcaac 359
```

<210> 141

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA347359

<220>

<221> unsure

<222> (1)..(346)

<223> n = a or c or g or t

<400> 141

```
gtgttgcaaa gcctttaatt agaatgtttg tattttttac atcatgcata acttcacatt 60
tgtgattaat tagtaattat ttcaatactt gtaagencat ctgcctcaga tttaatcata 120
atacatgaat taaattaatc aaattaagga acagcaattt agaaagaaac acactttaag 180
aaatcaaaat tctcaattca ggcagtctgt ttctatcatt tgggtattcta ctcttttaaa 240
aatttcatat tgcccaacaa aaagtgggta tttttactgt ttttggagat gactgaacag 300
atgaagggca tcagatgcct tcatcagctg ggtattttgc ctaaga 346
```

<210> 142

<211> 196

<212> DNA

<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA350265

<220>  
<221> unsure  
<222> (1)..(196)  
<223> n = a or c or g or t

<400> 142  
caatagcaga cttttaaatca atgccagaga caaagtgagg ccgagctaag aacacgctca 60  
gctncgttac aatgaagaaa tggtttcctt tcgatgcaaa gtataattgt aaaccacagt 120  
gctcgcacag ttcacgnctg nttaaagnga aatcttagcc atacatcacc taaaagtaat 180  
taaaaagtca acacag 196

<210> 143  
<211> 286  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA358038

<220>  
<221> unsure  
<222> (1)..(286)  
<223> n = a or c or g or t

<400> 143  
caggttatatt ctctttctcc tttttaatgt agagctgcag atacacttaa gttgccatag 60  
taatggcaga aggaggaag ggtgttttct ttgtaaaatc attggngtat acaggatggc 120  
ttggcaggta acaacactat ttctacgata tctacttatt aatataattt tatgttaata 180  
tcccattctc ctccaccataa tcaccataat gttcaaattt taattttgta ttcattttga 240  
atgtttgcat gtgaaaacc aactaatcta ttatttcaac attaag 286

<210> 144  
<211> 287  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA374109

<220>  
<221> unsure  
<222> (1)..(287)  
<223> n = a or c or g or t

<400> 144  
cgccgaccat ctctgcactg aagggccctc tgggtggccgg cacgggcatt gggaaacagc 60  
ctcctccttt cccaaccttg cttcttaggg gccccgtgt cccgtctgct ctcagcctcc 120  
tcctcctgca ggataaagtc atccccaagg ctccagctac tctaaattat gtctccttat 180  
aagttattgc tgctccagga gattgtcctt catcgtccag gggcctggnt cccacgtggc 240  
tgcagatacc tcagacctgg tgctctaggg tgtgctgagc ccactct 287

<210> 145  
<211> 292  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA380393

<220>

<221> unsure

<222> (1)..(292)

<223> n = a or c or g or t

<400> 145

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catggagtca gggacatggt taattcattt gtgaatcccc tggtagctggc acatagaaag 60
cgtcccatat tatctgcaaa atgaatgant gaataaatga gcaagtaggt gaatgantga 120
ttctnaggtc tcctccagct ttgatggcct atgaccgtgt gactcctgca tatgcatgan 180
cacacagaca cagacactac acacatgcac agacacacat acacacttgg ngcaaagagg 240
gatgaagcct gccacactgc aggtgggtcct agctgcctga cctcccttcc tt 292
```

<210> 146

<211> 255

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA382275

<220>

<221> unsure

<222> (1)..(246)

<223> n = a or c or g or t

<400> 146

```
aaataataaa tgaaagattt tattcatctt ttagatataac aagcactcaa aggttaatatga 60
gtgaaggaga taaccatctc ctccaaacaa agnggctctt aataacgcag aagcaaaaat 120
ctttccactt ttagatgaaa acaaaactaaa aaataacttc aggtttcaga tatggaaata 180
aagcaccatt tttcaaattg tagacttggc ttacttaaaa taagtaaata gcccccgnc 240
atctgaaaaa gaaaa 255
```

<210> 147

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA386264

<220>

<221> unsure

<222> (1)..(407)

<223> n = a or c or g or t

<400> 147

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ttatttaata actgtagaaa tccaaaagaa ttagcatcaa atcttgaagt cgtgagtnaa 60
gctgcgggtt ggcttgactg ggctcagcca ctgagctgcc tcaaccggcc aaggaacggg 120
attatgatga ctatgcggac ttctatatgt tcttcatctc attgtgtgta ttatgtattt 180
agtttcaata aagcatttgt accaatggct ctggagcttg gaggaagact aaaggaatgt 240
gtagtgattc tgaagtaaga ttagaccta cgcagcagag ctatggggga gaagattaac 300
aaagtccttt ctccaatat caggatagtc atgagttgca gtcccatcca aaaggtcatt 360
agggctnaaa ggccctctgt gtctctgaac tatgagattc ttgctcc 407
```

<210> 148

<211> 205

<212> DNA

<213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA386386

<220>  
 <221> unsure  
 <222> (1)..(205)  
 <223> n = a or c or g or t

<400> 148  
 gngngtaaaa ttncaacttt atttggccaa tgtgttcaat tcgattgtna aatagaaatg 60  
 cctganganc tgnagcgtc tgattcagct ccagcatcct tcttcaggcc aaagaactcg 120  
 aggatgcgct ggttgtcggt gtggtcgctg tcgatgaaga tgaacaggat cttgcccttg 180  
 aagctctcgg ctgctgtttt gaagt 205

<210> 149  
 <211> 440  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA397919

<400> 149  
 ttttctgttt aagaacagct ggtttattct tttgatttat tgtagggtatt aaaagtttct 60  
 tttgtgagat ggcacatagg caggtttggt gtttcctaac actatgaata tcttaaattg 120  
 cttttgaaag ttttatccac aaagaaagaa aaataagggt ttcctcacag ttgaaaatag 180  
 tttttgaaaa aagggttaaga ggaaaaaaat ctaaatacca tccttgataa agaaatggaa 240  
 cttcaagtta aaaatacaaa tttaaatgaa gttttataaa atattaaaaa ctagctaaaa 300  
 gtacatgcat aggcatttaa tcaaggtaag aggaacagca gtggaactta aatatgatac 360  
 aatttatcaa caataaataa acatttcagt gcaaatagtg cagaaaaatt tctcaaagat 420  
 catagcaatc attctaattcg 440

<210> 150  
 <211> 425  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA398280

<400> 150  
 tttgcgtggg tcattctgat ggtggctgct gtcagcctcc aagtggctta tgggatagga 60  
 caacccccca ggcacttcac tgtaggacag ttagcaccaa gagctaaggt tgtgagataa 120  
 tgcaaactctg gcctgtcacc tctgcagagt acaggttccc atactgtgag gcagcagcag 180  
 cagaggggaac caccagagaa acagcatttc agaattgtct ttcctttggt gtatggatat 240  
 gtgtgtgttc tagtcttttg tgggcaatgg aatctgcagc tccatgacaa tcttgtttaag 300  
 tagcttatgt gggaagtgtt tcaggtcaca agggccaccc attctaaggc ttctcactta 360  
 attccccagg ctaagagaca ggtggggaaa ggaaaaacct agcaccttgc tatactgaat 420  
 tggaa 425

<210> 151  
 <211> 382  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA398903

<400> 151  
 tttaaattag tagagacagg gaatcttact atgtgaccca gactgggtctt caattcctgg 60  
 gctcaagcga tcctctcgcc tcagcctccc aagggtgggggt tatatgcgtg acgcgctgtg 120

```

cccggtcca aagaacattt ctttaagattg gtggtgcaag gatcacacct tgagaaacac 180
tgatttaggc cttcccacag taaaagaaa tgttgctgc cccatcctta cagcacacct 240
gatgacttac aagagggtgct gctgaattcc tcccagggaa gcaaccttaa ttcttctcag 300
caagacaagg aggcagcctt caggaaggac ccaggagctt ggtattagag gatgatccaa 360
gtctgatggc aaatttagag tg                                     382

```

<210> 152  
 <211> 449  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA398908

```

<400> 152
tttccagatt tataatttaa tggctgtgca gatcccagtc cctcatttct gtcgctcacg 60
tgcccactgg tctgggggtca gggttttctg ttcaaaggca tggatgtgcg ggactcttct 120
gctaggcacg cgttcaccag cctgtgtctc tgaagcagcg gtttcccctc gaacttggcc 180
gacaccacca ggactcggaa gctacaggag caacgggtga gggtcgtgtc ctccacctcc 240
acatgctccg cctccaggtc ccgctgcagc ttctcgcgga ggtattcggc gctgagttcc 300
atggcggcag tccagctgga acggcagccc agcagggaca caaccccagc tcgggcgccc 360
gcacgctacc ttgctgcctt acaggagcca cttccgctgg aaaactcact tccgccttac 420
taaggcgtac gtcaacgcag tacttccgc                                     449

```

<210> 153  
 <211> 333  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA399273

```

<400> 153
tttttttttt tttcagaact atctgatatt tatttcccaa tattttgata cttgtttttac 60
aactggaata catggaatga aggggctgat atgggacccc aggtaagagt gaggtcagga 120
ctctctaagg gtctgggggt ccccttagag ggactttggg catccagttt cagggactga 180
gccgggttgg gtcggggggc agcatggcat cggacgtggg gccgtctgtg cctctcctgc 240
ctgcggtaca gccggcgcag gtgtttccga acggcccaca gcaccaggta cacctcccac 300
agcaactcag cctccggagt cttcaaaggt gac                                     333

```

<210> 154  
 <211> 467  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA401433

```

<400> 154
ttttataaac tttattacgg aaaatgccaa acatacaaaa atagagatga acatatataa 60
tgaaccatca ttttagccat caccagctt caacaattat caaggccaat ttcgtttcat 120
caatatttcc aatgcactta acatccagac ttattatttt gaagcaaatt ccaagaatca 180
tatcatatca gccacagatg tttgagaatg tagatgagga cccttctttc taacataatg 240
ataaaaccat tattctaata ccaataccc caccaatgtt caaattaccc cgattgtctc 300
ataaatgtat tcgtttttaca gttcgggtcaa atcacaattc aaataagatc caattaacaa 360
ttgggttaata tgtctcttaa gtctctttta atctataggt tcatcctcca tctttcatcc 420
ttgcaagtta tttacagaag aaactaggtc atgtgtcctg tagtttc                                     467

```

<210> 155  
 <211> 378  
 <212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA401965

<400> 155

```
gagagcacaa ctccaaatca tcttttatta atataaaaag ggcataattta gcaaaagaca 60
cacagataaa agagtcacta tggctcagga cacaaggcag ggaggtgcca ggcctgtgcc 120
cctgctgggg gagaaggagg ctcgggacaa agtgggagaa gtgctgggaa gggctgagcg 180
gtagggggcca caaaagttcc ggtgggcaac actgtcggca ggtcatgggt gggactcatg 240
gggacctcgc tgctaactct tgttgtgggg ggggtgcctt agtgctgcca cctggagggc 300
cactccttgg ttcttgaggg ggacccacca agggacacag gacaggaagc ccaggatggg 360
tagtgcaact cgggatga                                     378
```

<210> 156

<211> 641

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA402000

<400> 156

```
tttttttttt gatacaacta gcaaattgttc attggtttac aacaaaccca aaatactcat 60
caaatatggg ctgttggatt tagaaaaata agattcttga gcgattccag ctgcatttgt 120
ttatacagaa cacatttact caggaccctg cagtgtcagc ttcgttcttt gggatatgcag 180
ccttctatct ggatctctgc aggccagcca gaatatctgt tgttcttagc atcagagtgg 240
ttgatctttt ctctctgaat ttcggaaggg agttccaagc cttttgctgc aataaatacc 300
cagctagacc tgaatttcat gttcctgatt tctttacttc caagtgcctc tatggcattc 360
ttggcatcgt tattcagtct tgtgcttccg tcgtcatagg tcaccatgaa gagcagggat 420
tttgagagcag cactctgaat aaactttgtc atcgggccag agttatcgcc ttcatacata 480
tcaaaacatc gtgttgctgt cacattccca gttacatagt tgacaatggc aatgtttatt 540
cctctggcaa catttcccag ctgttctccc ataagtaggt taccctcaaa gcagattttg 600
gcgtacttgc ttctgccacc tccgctgagt aacctgtagg c                                     641
```

<210> 157

<211> 290

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA402224

<400> 157

```
tttgtttcta aaaagtttat tgtaaaattc aaagcttcaa cagcagcatc ctttagaaaa 60
cgaagcattg cccggatccg ttttgaaaaa gcagcgcagt cggctaagtc cttcacgctc 120
ctgcaactgt accaagtcca gggcgccgct ccttcctgcc gagcgcaggc tgctgagtca 180
cgctgcccgc gccagtctgt ccttcctggc cctgaggcca acgtcctagc ctaggccttc 240
ctgggcgagc agccgctcca gacacttgca gagtcctcag ctcggaccag                                     290
```

<210> 158

<211> 269

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA402903

<400> 158

```
cccagggcag tgggtgggtgc tttatttcca tgctgggtgc ctgggaagta tgtagacggg 60
gtacgtgcca agcatcctcg tgcaaccgga gagcccgggg aggggctctg cggccgtcgc 120
```

actcatttac ccggggacag gagaggctct tctcgtgtag tggttgtgca gaccttatgc 180  
 atcacgggca tgagaagacg ttccccctgct gccacctgct cttgtccacg gtgagcttgc 240  
 tatagaggaa gaaggagccg tcggagtcc 269

<210> 159  
 <211> 359  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA402930

<400> 159  
 gatttgcattg ttggctcaac tctttttaag tccaaggagg cagtccacat taagtgtgca 60  
 ggcaaaaaag agatggaaaa aggagtcagt ttctccccctg cctccctct ctccctttat 120  
 caagctgagc accttgagtt gcatttgagg aaatgaaaac tatagggtgac gcaaccccat 180  
 tgtgtcgaat tctttcttta catttttttg gttgctacaa ggaatcagta tttttttttt 240  
 ttaatcagat ggtgtgtgtg gtggctcaca tctgtaatcc cagcattttg ggaggccgag 300  
 gcaggaggat cacttgaggc cagaagtttg aggctgcagt gagttatgat catgccact 359

<210> 160  
 <211> 394  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA403159

<400> 160  
 tttttcattg tgcaatacac ttttattttc cttttacctt tgcagtcac ttcgagtaat 60  
 cgttgtgtaa acaatagaat ggaatgaaat tacattaaat tgtatgcaaa tggctctaga 120  
 acaccttaac aattatgaca aggcaattat aaataacttt ttttccttag taatatatat 180  
 ttgctttttg aagtacatta aagagctgcc atatctaggg ttagctagga aagagcaatg 240  
 gtaccatcct gggagcccac ctcccttgaat gattagactc caattttcaa aatcctaagg 300  
 ttactagtt ccataatata cagtcaagca gagggctact tgggttgaaa gtattgattc 360  
 ttgaacctta acagcgtttt accttttagt catt 394

<210> 161  
 <211> 376  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA404957

<400> 161  
 tttaatgaaa atagaagttt tctttctgtc ctccctttctc tcctccttcc ttctcctttc 60  
 cggatctttc ccaaataat tttctaataa ttcagttggt ttctgaatat tgctttttaag 120  
 ttttttgatt ttaaagatac aattagaaat aatgtatatg atgaaaaagc tgtttccac 180  
 tccaattcag atctgtgatc tacactggga aaaatgacca ctccctcatga agttttgtta 240  
 ctgacctctc ttggacttta gctctccatc tctgctgagg ggatatgaag gtatttgcat 300  
 ttctcctggt aatgaaggga tcttagaaca gaaaataaat aaatgcagtt ttagcgacac 360  
 atagctggaa atattt 376

<210> 162  
 <211> 207  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA405488

<400> 162  
 tttttttttt tttttgacgg ttcctatata acgtttatth ctggaagtta aagtagatac 60  
 agcaatatac caaaaaaaaa aaaaaaaaaa aaagacaaaa aacctcacia taatataaat 120  
 ttttacacta tgaagtacac attggaatth gaatgcagtg gccaggacag cagcttataa 180  
 accaccttat aggtaggtaa gcaaccc 207

<210> 163  
 <211> 348  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA405559

<400> 163  
 ttttttttta aaatattctg atggttttat taacaagtat ataatatata ttgcatactg 60  
 tatatagtat atgaggactg tacagtacaa atthtatgttc acagtttgac atgacaaaaat 120  
 gtcattactg aattcccatt ggactacaga gtagaaacag agaaggatca ttaaacattc 180  
 acatcttttag taagaaagat taccaaaatg tttcagtatc tgcaagtata ctaacgcatg 240  
 ctaaaaacct ttaccatttc agtcttatta gcttataaaa tatattacac tttattaaaa 300  
 atttctgcat agtttataca agtattaaag tactgtaaat gtaataat 348

<210> 164  
 <211> 359  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA405616

<400> 164  
 tttttgtgtt ttttgtgagt tcaagtgggt tattttggagg caatcccagg aaacattagt 60  
 aggagagcag caggaagaca gagcaaggag gaaaggcaat cttttgtgta ttaataggca 120  
 gcttatcaca tgagcagcta gagctccatc caactgggga cttttggaag agagtgtaga 180  
 acacatctta ttcagagttg tctcacttgc ggggtgaagg ttgaagactg ctccttggac 240  
 aatgccttct ccatttcttc atacttttca cctgcctgtg attgggcca gcttgggttc 300  
 cattgcccga gaaagctctc aggaagatgc tcaagtgtct gcagtaagaa gcaatcagc 359

<210> 165  
 <211> 346  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA406371

<400> 165  
 tttttctcag tcattacttt tcttcgggtg cactttgttt tcttgtgaca gtgaaaaggg 60  
 tactgtggag acgagacagc cccattgcaa tttatcaatg aaaatcta accgcccata 120  
 agcagagaag tggaaatcaa tacttcatta ccaaattgtt agtgaggatg aagagaaatg 180  
 gctgggggtga tttttttttt tttttttttt ggcagtcttc tcagagccag ggtgtcagga 240  
 ggagttcaat gagttcaatg tcagaagcag gatggtgcaa cgaagaaggg ttcagtgtga 300  
 ggggatccag gctggaaagt ggaaactaag gcattcgtcc tgcaga 346

<210> 166  
 <211> 143  
 <212> DNA  
 <213> Homo sapiens

<220>



<223> Genbank Accession No. AA410298

<400> 166

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gcaggctaga aaataatttt aatgcaaagt agaaagtatc aatccacctc atcactttcc 60
ttgctctctc tctgtcacct cctcttttct gtggctctga ggaggtggga gaagcaggca 120
gtattttccac agcagctgtc cat 143
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<210> 167

<211> 298

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA410311

<400> 167

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tttttttttaa agtaacattt aatgaatata catttataaa agccatcatc ccttaacatg 60
gggaaagtgt acaaaaataa tgtgaaagtg taaaaatttt tctagaatac aggaaacata 120
tcagcagtaa agaagttag tttaactttt tttttaaatg taaaatagtt tggatctgtt 180
aaaaggaata cagttcgccc aaagcactta ttttcatctg ttgtaaactc attctttcta 240
ccttaagtaa actggaggag tcagctgtgt taatatgggc aaattaattt catagttt 298
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<210> 168

<211> 445

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA410355

<400> 168

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gcagcggatt gggggtggcc aggggatgct gctgatgtgc agagacatcc ctttttccgg 60
cacatgaatt gggacgacct tctggcctgg cgtgtggacc ccctttcagg ccctgtctgc 120
agtccgagga ggacgtgagc cagtttgata cccgcttcac acggcagacg ccggtggaca 180
gtcctgatga cacagccctc agcgagagtg ccaaccaggc cttcctgggc ttcacatacg 240
tggcgccgctc tgtcctggac agcatcacgg agggcttctc cttccagccc aagctgcgct 300
caccagggcg cctcaacagt agcccccggt tccccgtcag cccctcaag ttctcccctt 360
ttgagggggtc tcggcccagc cccagcctgc cggagcccac ggagctacct ctacctccac 420
tcctgccacc gccgccgccc tcgac 445
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<210> 169

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA410383

<400> 169

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aagtaaaatg tttgctcaac tttattgaat gtcattagat ttataggaat cattaaagaa 60
ttagatacca gagtcccccc ggcccagacc cccacaaaaa aagtcagtga aaaagatgtg 120
agtgaagaa gtttgtcaag gcaaagtgtg gaaaggatac atgtgtacat caccctttta 180
atgctttccc tgagtattct atgaagtctg gggatcttcg aatgctatta atcttagaca 240
gtaaatttta taaagaaatt ctttaaaagt aggacttaat tctcctccgt agtgagtttt 300
taagcagagg atatctacta catggattcc tttgcctctt gacaggctca agttccatct 360
gcctcccagg cagctttttg agtctttcat agaagcctgc ttttaatatata tgcca 415
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<210> 170

<211> 406

<212> DNA

<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA411860

<400> 170  
tttttttttt ttttttagatt ctcacaacct cttgttccgc agttcattaa tccgactctg 60  
atgctaaggt gacagtgtat gtaagtagat ttttggtttc agtgaaggag acctgggaaa 120  
agatggattt ctctctgtat cttcaagagt tatcagatgg tacatgctcc tcaaagccct 180  
cactctctcg aactagagca cgttccagga tcacgcggcc ttccttatat cgctggctgt 240  
cttcagtggc aaactcatag atccatccca gtttgctatt gcagtttttg cagctcacat 300  
ctcgaacat gtggcggcca gtgagcatga cccgatcttg aacttcactg tactgcaggt 360  
taactacctt gttaaaaaga aatgctctgc cagtggggcc tgtgaa 406

<210> 171  
<211> 73  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA411952

<400> 171  
tttcatttaa ttgattttat tataactgga ttaggtctga gccctgggaa acagacatca 60  
ccttggtata cag 73

<210> 172  
<211> 289  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA411981

<400> 172  
acactgttta ttgagtggca ggcacaggag aggtagctgg ctccggtgtg gaagcagagg 60  
tggcaggtca tgccaggggtg ctgtgggcat ctggcagcca gggccatgcc cccatcctag 120  
ggggacggca caagctcact atgacaggag cagcaaggag ccggccagag gagggggtag 180  
ccacgacccc caggatcctg ggcaagaagc ggcagacaaa cttggcacag gggcctaggg 240  
tgagggggac tggggcctgg gtattctgtg ggggagggag ggggatcac 289

<210> 173  
<211> 406  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA412049

<400> 173  
ttttaggaaa aaacggcaca gtgatttaat ggtaagtcac tataaacatg aagggaaga 60  
ctgccatcca aggaagcgca gaaaaggaca cccctcaggt cctggatgga ggaggatgac 120  
ccccaatact ggatggagaa ggatgcccc agtcctagat ggagaaggat gccccctca 180  
gtcctggatg gagacgtcat gagtaactgt cggtaggaaa catcatgttc ttcattctgc 240  
ccttgctcct tgggctccaa caggaaaaac cagaaattct gtggatataa aacatggaaa 300  
cattcattct ttaaagaaaa aggctgcaga gacaagaaca gcgaaaggat ggtattgaat 360  
acatgcaa at ggataaaata tgaatgatta tgttctcatg ttcaac 406

<210> 174  
<211> 521  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA412063

<400> 174

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ttttgcaaag ttaacatttt tattgaactg aaattggtgt agaacagggg caaccacagc 60
tgctgagctc tgtaacaact gaaaagcccc tgtgacattt tacctttgag agtcctaaca 120
cggtttgagt ggaacagctg agaaacagca tatatatatt ttaacacctc aaaatagttt 180
gaaatgagcc tcacagcctt gttcaatctt cagattacaa ataacattga tagcatctcc 240
tgtggccttc agttagtagt gccagttaat attgtttctg aaaactttcc tctcaaagtg 300
ctggctataa ttttttttcc atccagtaca cataagaaaa ggatttagta acacttgggc 360
aagtaataaa ctgtagaact ttaaaagtag taaaggcata taccaagcat acgtgactcc 420
acacattgtc agaaaggcag tggactggct aacgagtttc tgccaagttt cagaagcaaa 480
gaatgcacta atgaaaaggg taaggcatcc aagcagagtg t 521
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<210> 175

<211> 387

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA412505

<400> 175

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actttacata aacgtgtagc catatgactg tataacaaga gccaagagc aaccattgtc 120
taacaggtag aaatgcagac agtttcatgt taagccttta gaatttcctt tcacggcagg 180
tttccaaaat aaactaactt ttctaacatt tattctcaca aaaatatatt tcaagttaga 240
ataaacaact cattggcttc agacatttaa ttgtatgtat ttaaccatac tcagataatt 300
gtcatattta gccaaatgga ggctttttct gtgacctatt tccaaattct cagattctgg 360
ttcatctact ctttcaagca gtttgga 387
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<210> 176

<211> 399

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA412722

<400> 176

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cagcactggg gggcccagcc tacctgccag acagttccca ggagtgagc tggcttttcc 120
tggcagataa gacacagttt tggtgggtga atgagcggct cctcccttgg tccaggaaga 180
gctccccctg cattgggtga tgaaattctg tctttctgaa ggccgggcag tgcacagcgg 240
cccttcctct ctgggaatgc ccaggctcac acagtccact tcagacacct ggtctcctgg 300
tggttcccca gacagcgcac agtgcagtac cgggcaccgc agctgacaca ggtgtagggg 360
gatgggaagc cacagacagc acagaagggg cgctggggc 399
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<210> 177

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA416685

<400> 177

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tttttttttt tttttttgct ataagataat ttattacaga ctagcctata atctcctgta 60
acaatggcac atataataat taacaacagc aaagatgctt gggttcttgt ttcattgta 120
ggccagtaca tctgtggaca atgtcgagtc ctcaggaagt ccaggaggct gctacagagg 180
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```

aaatccaaga accatgtcac atctctcaac aagtcttggg aagtccatct gactctctga 240
aacagtttgt ctctgacctc ccaggaagtg tggagggccc ctcccatcca gcctgtacag 300
agggatcaga gtccaggctc cttctatagg gttgaatata agaggggaat agcaaataac 360
cccgatgaga gagagagaga ccaaaggcta gattctttct gcaagggtgga ggacggctag 420
aaggcag 427

```

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<210> 178
<211> 527
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA416762

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<220>
<221> unsure
<222> (1)..(527)
<223> n = a or c or g or t

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<400> 178
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ggtctcccgg gctagggggg agagccatgg gtctctccct ccctctgttc aaggtgcact 120
gcgtgctggg cttgaggtgt aagctgggga gggagggcag ccgggaaggg tcagtggctg 180
ggacctgcaa ccctttcacc ccttctggaa gactcgctgg gcaggaggag agcctcctgg 240
acctggactg gggcttatcc caagggatga gagccgatag gtctacaggc tcggcccaag 300
ggcccttcca ccctaggaag aggaaggggt gccggcgtct atctgctgga ggggtggctcag 360
gcaaggctgt ggggctgggt ggccagccct tcactcgtgg acgtcccaga tctccgacag 420
cagaggcggc agcttcttgt cctggagccg caaggannga cctgctccga gtgcacagag 480
ctcagcgtgc gcaggctcac cagcttcatg agcatgcgcg ggaagag 527

```

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<210> 179
<211> 368
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA419011

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<400> 179
tttttttttt tttttttcaa ggggatttta atgaaatttt attaaggaga tgagaagcag 60
ggagtctgtg ttgaaaattc aataaagggc ttgttttcca tctcagcctg gataatctat 120
gttatctctg agtaaagggg gtaacaattc taacaacctg gcttccttag aagtttccat 180
tctcatatag tcaccgaagg cagcagcact caggcgtttg ctgccgtgcc tgccctttgg 240
tttctgggac ggctcgggtc ccgtagcgcc ggcacagctg agattgccaa gccgggaaga 300
gaccttgctc caggtgtagc tgcgttttcc ccagatcacc tgtccttttc ccctccgaca 360
aggaagct 368

```

```

<210> 180
<211> 260
<212> DNA
<213> Homo sapiens

```

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<220>
<223> Genbank Accession No. AA419546

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<400> 180
cacattaaat tatttattga acaaattgaa gataatgaca tatgttttta ttacaaagtc 60
ttccatcatc ttatatcatt gacacatatt atgagacctg catttgaaga gtgaatagaa 120
ataagaaaat gttttcccaa cccacaaaaa acagaaaaaa atatattaat tttataatta 180
tcttataaag ccaaaagttt tatgaattat acttttttta ttagttaaaa atgacagcat 240
aactaagggt aatttttatt 260

```

<210> 181  
<211> 412  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA421562

<400> 181  
tttttttttt tggagaaaac agaacacccc caaaacattt attttttttt tagaaaatca 60  
tggctcacta tggtagtata caatattgtt ttcacacatg tacacttgaa accaaatttc 120  
taaaacttgt ttttcttaaa aaatagttgt tgtaacatta aaccataacc taatcagtgt 180  
gttcactatg cttccacact agccagtctt ctcacacttc ttctgggttc aagtctcaag 240  
gcctgacaga cagaagggct tggagatttt ttttctttac aattcagtct tcagcaactt 300  
gagagctttc ttcattgtgt caagcaacag agctgtatct gcagggttcgt aagcatagag 360  
acgatttgaa tatcttccag tgatatcggc tctaactgtc agagatgggt ca 412

<210> 182  
<211> 329  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA424530

<400> 182  
tttttttttt ttttttgctg atcaaattca tttaatcttt gttaaaagca tcacaaatga 60  
ttcatcgatt tttaaaaagg aaaaataaga aggaatgcat tgtctctttg ttatgtgcat 120  
ggcagctgat ggctcgttc ccaggcgccc aggtctacct gaacatcaga tatgcagacc 180  
ctcgaattta caaccaggga cagccacggg cccacgcctg gatctccatg ggtgcacaga 240  
cgggaacgta tcaggctgtc tcagatgcca cctccttccc aggtgcttgg gtccacatgc 300  
ccaacatggt cttaatagaa atattaaca 329

<210> 183  
<211> 305  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA426372

<400> 183  
gcggccgcgc gggatccgcg ccgctcaccg gccgcctctc agctccttgc gggttgagctt 60  
gaaggaaccg ttggcgccgg tgcccttcac ctgcagaagc gtgtcgttct gcaccagcgc 120  
cttgatcgag tacttgaggt aggtgcgccc attctgctgg tcgaaccacg gaaccttctt 180  
ggcctcgggt tagatcttgg ccagcgacga gccgttgccg tcgcccagcc tacggatggg 240  
ctccaccacc agctggctgt acttgcccgg ctgggttctt ttcttgctat tcttctctt 300  
cttag 305

<210> 184  
<211> 486  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA426374

<400> 184  
tttttttttt tggttttata cagaaccttt aattgcaaag aacttgaaag cagccacgct 60  
gggtgggtggc agtggagtgg agaaccacc acacctccc ctcaagtatt ttcaccttct 120

```

tcagcctcgg cttccacgga atccacgccc acctcttcat aatccttctc cagagctgcc 180
aggtcctcgc gggcctcaga gaactcccc tcttccatgc cttctccac gtaccagtgc 240
acaaaggccc gcttggcata catgagatcg aacttatggc ccaggcgagc ccaggcctcc 300
gcgatggccg tgggtgttgct cagcatgcac acagcccgcg gcaccttggc caggtctccc 360
ccagggacca ccgtgggggg cctggtagtt aatgcccacc ttaaattccag ttgggcacaa 420
tctacaaact ggatggtgcg ctgggtcttga tgggtggcgat ggcgcggtga catctttcgg 480
gaccac 486

```

```

<210> 185
<211> 133
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA427622

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```

<400> 185
tttttttttt ttttttttaa taatcacgta agatgcgatc atacttctgg cattttcaaa 60
aagtgaaaac tgtataaaaa taaatattcc ccatacaaac acacacacag gccaatccaa 120
ggtttagaggc atc 133

```

```

<210> 186
<211> 448
<212> DNA
<213> Homo sapiens

```

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<220>
<223> Genbank Accession No. AA427890

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<400> 186
ttttttaagg atttgaatct atgtatatat attttacatt tttcaacatt tgtgttttat 60
tccattaaca taaccattta cagttattcc agaaatttca gtcatacaca gtgctcttga 120
atccaaagag tggcttagtg tgttggcatt ttcacatcag acagtcctag aaaatgtcaa 180
gttgaacaat aagatattga ggcacattgg tctactgtga ttctgaattc tttagtattg 240
tcagaggaag tagttaatat atttcatggt gattctttgg ctactcttga tttttgcttt 300
gggtaacatc ctcaccttgg gaacattcat taccacttaa tagcaagata acattaaaaa 360
aaaatccttc attgccacat ttaatagcat gtttaaaaag gcagagggtg caatgagctg 420
agaacgcact actgcactcc agcctggg 448

```

```

<210> 187
<211> 159
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA428325

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```

<400> 187
tttttttttt tgcacggctt atttccttta atctttgcaa caacccaaag tataatagta 60
agcacagggt ttttgctgta taccggtag gccttattaa gaattagctc ttattttcat 120
caaaggtaga gaaaatgagt aactattgag gccccgcg 159

```

```

<210> 188
<211> 366
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA429539

```

```

<400> 188

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```

atcttgTTTT tctgatcgga gcatcactac tgacctgttg taggcagcta tcttacagac 60
gcatgaatgt aagagtagga aggggtgggt gtcagggatc acttgggatc tttgacactt 120
gaaaaattac acctggcagc tgcgtttaag cttccccca tcgtgtactg cagagttgag 180
ctggcagggg aggggctgag aggggtgggg ctggaacccc tccccgggag gagtgccatc 240
tgggtcttcc atctagaact gtttacatga agataagata ctcactgttc atgaatacac 300
ttgatgttca agtattaaga cctatgcaat attttttact tttctaataa acatgtttgt 360
taaaac 366

```

```

<210> 189
<211> 257
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA429636

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<400> 189
tttatttttg aaaatgttaa aattttattaa taatagttaa catcacatag ttaattaaac 60
tagttatgta ttgtacataa tgacaacatc ttcactagac tgagtgtca aggatttgag 120
atgattcgct attcatcaca ccccgagat tgagatccac tgtatttaca caaagcaaag 180
ccatgtcagc aagggactgt caacctgatt ctgagaacat aaacattcaa aattttattt 240
ccagtgttcc ttttttg 257

```

```

<210> 190
<211> 428
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA430074

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<400> 190
tttttaccat tagattgtaa atttaattta aaataaaatg tccctaaaat catctcagta 60
cttggcacac tgacttaaga tgtgggggtg gggagcatcc cttaacacat tctttgtttt 120
cctggtaaact actggtggaa caagacagct gagaatgtat gacatctgac catgaacata 180
tgacagctgt ttgtgccagt catgtccaaa cccatggctc tcaactccag atccaaaaac 240
tctccccatg ttttagacct cccacaccag catttaggat ttcttcctct ataactctgc 300
tgggtgctgg tcttggcagg gcatctactg gggatagggt gtttgggggtc tcagtgggtg 360
gcaccggctt gttcttgctt cctctgcagc tctcttgcc gcctcgctg ctgttcactc 420
atgcaatc 428

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<210> 191
<211> 335
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA430388

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<400> 191
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cagcagtaca cttagcaatg aggtgtgtt gatgaggaag tgcgcacatc atacttggtg 180
tagaagctgg ccaggagata gagcacaata ggagagatgc tgaggaactt gcgggaagag 240
gtaaaactgga gcccatagtc catttgctcc cagtgtgtca gtagccgagc ctttccttgg 300
tcaggagtct caaagggtgt ccctttcacc gtatg 335

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<210> 192
<211> 259
<212> DNA
<213> Homo sapiens

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<220>

<223> Genbank Accession No. AA431470

<400> 192

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ggagctccat gagggaacct cagagatgca caatgacagt ttagctaaaa tggcttaaaa 180
aatgtgaatt gattgtcagc tctctccata tctgctgaaa aaaggtttaa aattttttaa 240
aagtttaaaa gtgttttct 259
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<210> 193

<211> 489

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA432162

<400> 193

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cagaccactt tggatagcta tggctcgata cttctgggtg ccctcctcct aagacatcct 120
cttcttacat tccactgaac agaaaacct cccttctact ggcatagaact tctgccaat 180
gaggcatttg ctgcagcaag agcacagaaa gcactctgtg gatgcatgcc agctgaaatt 240
gttataggtc acccgctgca cttctgggtc gatggcattg tggcatcctt gacacaccac 300
agcgtgattc ttcacatagc agggcttgca cacgggcttg tcattgacca tcacgtatat 360
ctccccagct agaatgctat cacagtcaaa gcagcagaag tgtttcaggt gccaattctg 420
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tttctcgt 489
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<210> 194

<211> 367

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA432292

<400> 194

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tatctcagtg tctcaattca cactaaaata ttgaatgaga aatacaccac gttggctgat 180
tgcttgacat gtctgattta gggagacttc tacaaccact cctctctttt ttctcccagt 240
aaatactttt gacttttgaca cctaccatat tggaaatgac aggtgcccga gggcaagtgc 300
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ttgaatc 367
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<210> 195

<211> 323

<212> DNA

<213> Homo sapiens

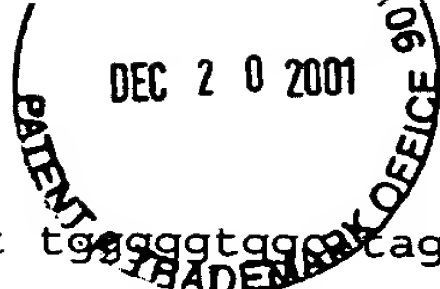
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<400> 195

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tatgaccttt atacaactat ggggggtgggg tgggatcaca caggcataaa agggctggaa 240
attccccaca cagcctccaa gggtaagaaa tgagtagctt cacatatcac aaaagtggga 300
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tttggaagtt tgggggtgggtag

323

<210> 196  
<211> 506  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA435720

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ccacggaatc cacgcccacc tcttcataat ccttctctag agctgccagg tcctcgcggg 180  
cctcagagaa ctctccctct tccatgcctt cgcccacgta ccagtgcaca aaggcccgtg 240  
tggcatacat gagatcgaac ttatgggtcca ggcgggccca ggcctccgca atggccgtgg 300  
tgttgctcag catgcacacg gcccgtgca ccttggccag gtctcccccg gggaccactg 360  
tggggggctg gtagttaatg cccaccttaa atccagtcgg gcaccaatcc acaaactgga 420  
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ctgtacaaca tgcagcaggc catgta 506

<210> 197  
<211> 265  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA435769

<400> 197  
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tttcacaact aagccttttg ccaaaaaagt catttagcac atctttaaag atcaataaga 180  
aatggatttt ggacattaaa aagatcaagt cactgaatta aacagtagca acccccatta 240  
atctagaatc ccatagtgtc gaagg 265

<210> 198  
<211> 437  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA436616

<400> 198  
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aatcatggga tttacataat ggcaaaaatg tatatgtata tttataacat cctctatata 180  
caataatcag tatagacaga gaaaatgcac ttaatctttg caaatcatgc acaccacagc 240  
aataacacaa aatgtttttt ctgtaacaag cttttccact ggctcaggct tcatcctgct 300  
ttccaacaat acctatcagt tttaaaagca aacattttca attaaaacta aagaaaattg 360  
aaataccata gtgatctact aactatttta aaaacacaat tgtacacaaa atagttttac 420  
tctaaaacac tgtgact 437

<210> 199  
<211> 443  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA436618

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 agaaatgcct ttctatggta acaggctcta gaattatcag aagaaagaaa cccccacag 180  
 atttgtaaca gtgtgttgga acctcggaat cccagcatac agagtatact tttatgttga 240  
 tttttatttc tttttgctaa agttgaagta gatttttatg attgacattt tattttctga 300  
 gtttgaaaat aagctttttc ctgcagagag tcttggcctt cacctacaca cccaagctaa 360  
 aaatcctagg tgtaaaaaaa ctcaaaacat caatgcttat tttagcacgt caatctttga 420  
 aggaatgctt aaaatttcct tac 443

<210> 200  
 <211> 219  
 <212> DNA  
 <213> Homo sapiens

<220>  
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<400> 200  
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 caggcttttg tctcttcaag aatccaattc acccctgggt ttcgcttggt acacacccca 180  
 ggagaacgtc gatgcacaca gctgtgttagc tgcaaacgg 219

<210> 201  
 <211> 419  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA436861

<400> 201  
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 aaaggaata aacatgggtga agtcaggtht gctggtaaaag gggagacagt actaaacgcc 120  
 ctgccaaca aatactcaga atccagggtt ttcatathtc tccatggthc aatctctcac 180  
 aggtcactth ccattcaaag gattatggag accaaataag acaggattct ttcaggthtc 240  
 aaccagagt cthtaggtct tctctcagcc aaggcatcga gtgaaaatac aatttattht 300  
 tcggattcct ctggaggatt aaaaagthtc thtcgcattg caatgccatg ctccctgtct 360  
 ttggtcctgt thtctacgta ctgtcgtcct agctactcag gaggctgagg tgggaagat 419

<210> 202  
 <211> 292  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA443114

<400> 202  
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 caggthctga ataaattaaa cgctcaggct ctggcccccac cccagctthc agagcccaca 180  
 agcagactgt acaaagtcaa taattthaaa cccaaaccct gggcacagtg cctggaagtg 240  
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<210> 203  
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 <212> DNA  
 <213> Homo sapiens

<220>  
<223> Genbank Accession No. AA443923

<400> 203  
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gcatgcgtga aacaatcaga aacaatcatg agcgccctgcc cacatggggc atacagtctg 120  
gcagggcaag actgtagaca cagaaataaa tatccgatta taagctgtga ttagaggcat 180  
gatggaaaag agcaaggctt cctgagagaa acagggcgag cacaggaaaa cctctctgag 240  
acagtgacat gaacttgaaa cttgaagggt aaacaggagt gggcaccccc aaaggggaaa 300  
gaaggaatct tccaggcaga gagaaagaga aaagaccag gcacggtata gaccagagga 360  
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<210> 204  
<211> 213  
<212> DNA  
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<220>  
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attcacggac ctcagggcc cttggcaggg acaaacagat ggactgacta ggatgagggg 180  
aacaggacgg acgtggatgc ctcactcaag gcc 213

<210> 205  
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<212> DNA  
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<220>  
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tgtaataacc ctgttaacat aaagtataca ctgaggaaaa aaataagtat ggcacatata 300  
tggaaggatt agttgtatta gcaaggcatt tcagggatgg ttttggttct ttagactaag 360  
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cataaagatt attttggtgg gcaggggctg atttc 455

<210> 206  
<211> 451  
<212> DNA  
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<220>  
<223> Genbank Accession No. AA446661

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attcagaagt aatgaaaaac caatatgata aaaacaaaaa tcctccagta aagaaggac 180  
ctgtccattt gagagaaata caattgagaa cttgcaaagt agacaaggga agatggcaat 240  
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<210> 207  
 <211> 209  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA447522

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 ggaggccagc agcaggagga tggccagcca cagcccacca cagctctcac ccatgctccc 180  
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<210> 208  
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 <212> DNA  
 <213> Homo sapiens

<220>  
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 gaggtcact gggcagggtg ccaacatccc tttcaagggg atacaccata aagatgacat 180  
 tgtccaaggt ttggagggca gggatgatctg gtctgaccac ctcaaagccc atgtagctga 240  
 aggcccgcag cagggcacct ctgtcggtcc gatcattctg gaagttcaca aacacagagt 300  
 ccacatttgt cttctcttcc acgtactcca gggttgcagt caaactttcc cggttgcctt 360  
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 atgggcagag gtctgggagg taaggcgga 449

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 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA447707

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 cgccccctgc agtcctccag ttgcccagca gcagtgggac gctcagtggc acacagtggg 180  
 tctctgtatg gcctcccacc tgcaagggct tccccgggca ggcccagctg ccagaagccc 240  
 cggaacacac aggaagacaa cactatagga tggcagggtg ggatctgtgc aatacaaaca 300  
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 <211> 409  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA447977

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gcagatatatac aaaatttaaag agacagaaga tagacattaa cagataaggc aacttatataca 180
ttgagaatcc aaatccaata catttaaaca tttgggaaat gaggggggaca aatggaagcc 240
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tcccttcaat ggggatgaca aactccaaat gccacacaaa tgtaacaga atactagatt 360
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<212> DNA
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<220>
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gaagtgccac tataacattg ttttaaaaaa tcttcaaaaa tttcctatta gaacctatca 180
ttgaattaga aaagcaagct ttgccaaatg cctgattatg cctttactgg tcctgctagc 240
tggtcatgttt caccaacttt tccctagtgt ttcctttggc actggttgagc ccacactaca 300
aaacatgaac aagtcccaca aaaccacact atgccctctg cttccccatc atgtggggac 360
catctgcctg gacatc 376

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<210> 212
<211> 409
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA449749

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attacaggta agctacaatg ggtttaattt gcaaaagtta agtaagaaat gttttaaaca 180
aggcttaaag tactcaagtc aattataaaa tttatatctt ttgcctttta cttgaagaaa 240
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atacatgtaa cagtttaagt tcccattgaa ggtataaaat gatgaattgt tgtaagactt 360
agacactgag tctcagtctg gagctgatga agatggtgag ataacagcc 409

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<210> 213
<211> 112
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA449791

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<400> 213
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<210> 214
<211> 386
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA450114

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aacatgtgat taacaggaag gagatgattg gtgagttttc ttcgtaacca ggttcactgt 180  
ggataggaag ggctgcctt ccttcccacc atggagatcc taaaatcaca agctccagcc 240  
tccatcaatg atgacagggt taccagttac ataagcagat tcatcagaag ccaaatacac 300  
gcagagcatg gctattttctt ctgcagttgc gaatcttccc gtctttttgtc tcttcaggaa 360  
atcattccgt gcctcttcag gatttc 386

<210> 215  
<211> 431  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA450127

<400> 215  
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aatattttatt gtattttttg tttgtggcag caactcaaca gattctgctg ctgggaaggg 180  
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cagtagctgg ccacctccac caagccgtgg ctcttccagg cgtccgtgtg agggttcgtg 300  
accaggagac aatgcaggtc tcgggcctcg gtgggtgcct gggctctcggc cggtctctcc 360  
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cagaaggact g 431

<210> 216  
<211> 282  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA450324

<400> 216  
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caaaatgccc tcatttctat tttttccctt tcagttaata atttagttta aaagtgcaca 180  
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<210> 217  
<211> 147  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA451836

<400> 217  
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aaaacctcat gacaaatgaa aattaa 147

<210> 218  
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<220>

<223> Genbank Accession No. AA453433

<400> 218

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cctgtgcaga ccctgccacg acagcccagc cgtccaccac ccgcctcatc tctgccaatt 180
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gcagaggagg gagacagcag ctgcttcaga ccctgagcag aaaaccagag tgagcacagc 360
tggcagcacc agatgacaga tctggg 386
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<210> 219

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA453435

<400> 219

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acaagatggg tggcagggga cacttactag tataaaaata atacaaatat tgtattttcc 180
tcttatctgc cagtaaaaat ggcaaacagt tttgtctttc tgaagtttct agtcaataac 240
caaagatgag gagcccctaa taaagtgcct tgccctgtat gctccactgt ctatagcttt 300
agaccctcaa cattcttctt caagttcagc agctcttttt cttgcc 346
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<210> 220

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA454908

<400> 220

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cctacagaca accaagcact aatcccctta gtaccaagaa aggggagcca ggatttagtc 120
ctggcccagc ccagagctgg gacctggagc acgatctgtt gacttccctg ggtaggacac 180
tgccacctct gggctcaggt cctcatgcct ccaaattggca tctagagttt gagcagcctt 240
cttggctgag gcaggcctag cctgtggagc gggctagggc caggagcatt tgggtgccct 300
ccatgtttgca atgcaaacac cttcaccact ggggcagtg gtagagatgg ctatattaat 360
aaaataacgt gtgtctttc 379
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<210> 221

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA455001

<400> 221

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gggagtcagc acagtccttt ctgcagcttc taaccagga ccatgaactc aggtgcctag 180
agaagccagg cagctaaagg acaagggaatg ctgggggctg tgggaacagg aatgcagata 240
ccctttgaag gagcattcct gctaaaagaa gctgaaaatg tagacctatg tgaagtgtct 300
tgatttctaa atattgtgaa ggttaagaaa gacataaatt taggtctatg ggctagattt 360
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<220>  
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aattcagtgat atgtcattat tactgctaag gaaatcttag cccttgtctg ccttaaagga 180  
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<210> 223  
<211> 465  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA455381

<400> 223  
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cactccacag aggaaattaa tccttcggtg acgccaacca tgcccacttc cagctgctct 180  
gccactctcc agatctgggc tgggtcttga gagtaaaaat aacctgctaa cccaacatca 240  
gctgcgttac ggattgctat agcctctcct ctgtatcgaa cttgataact ggtgccagag 300  
cgcgaaagtc tcttcatgag tgcacagcat gtccctgggtg acattgcaca gcagggtagg 360  
ctcaaagaaa ttttttccaa gttgggtgctg ttttccacct gtcacaacgg tggcaccttt 420  
agaaacggca tcattcacct gtttctccac cttttctacc gggtt 465

<210> 224  
<211> 433  
<212> DNA  
<213> Homo sapiens

<220>  
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<400> 224  
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cagaaatgaa aaatcttaac ccaaataata ttcatttgac agtcacataa aatttttagat 120  
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tattatgccca ttgttagggg tctttttttt gaagtacctc attacaaggc aatgtcaaag 240  
gttccagtaa ctactcaact ttgaatgaag ttcaaaatgt ccccatgcta agctgagtct 300  
gtgccatagc aaaccatgat atagcaagtc tccagaatgt gtacaaatca atactctgtt 360  
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caaatttata agt 433

<210> 225  
<211> 355  
<212> DNA  
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<220>  
<223> Genbank Accession No. AA457235

<400> 225



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tgacagagga gtaagttagg gaaataaatg actcagttct tcatacatgc aaaggtaagt 180
tagttattac aaaagttttt gctgttggtt gtgctgaaag aaaagcatat gcatttaaac 240
atTTTTTaaa aaataaatca ctcaataggc ttaagaaaaa tacttttagtt catagtcat 300
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<210> 226

<211> 354

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA457566

<400> 226

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gtaattatga agacaccttt acggtgagcg ttattaaaac cctactagag gttttgggtg 180
ggactcaaga gcaaggggtg gccacctgtg gacgagggtt ccctgttgtt aacagaacac 240
gttgcccacc tcgcaagtat gcagcccaat cagtccccag ggtctcgggt cccgttgcg 300
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<210> 227

<211> 402

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<213> Homo sapiens

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<400> 227

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tgaaggccta aaaagatctt tggtactcat ctagaattat ttggtataac agtattttcc 180
catggaggaa gacttggatt tcaggcatta aacaacgcag aaaaaaatct caaggcatca 240
caggagagag gagataactt ttgactctgg tttcccggtg ttcaggccag gaagagcaag 300
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<210> 228

<211> 384

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA460914

<400> 228

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tactgaaatt gttaaagtgac catttttaat tttgatattt acttctctta ttggcacaag 180
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gaaaatactg gtggaaacct gttttaccca aaagcagctt taatatctgt ttaaccaggt 300
tattctataa taagaactcc attttaatgc acgttatcca ttacaaatgt gtgagatatt 360
ctataaaaca catattttaa ggtc      384

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<210> 229

<211> 391

<212> DNA

<213> Homo sapiens

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catttcttgg aacaaactga agagtactta aaagatccca ttgaatgcat gtggcattat 180  
tcctagttta cggatactgt ttgaactaaa tgaatccttg gagagggcag ttagtaatta 240  
atgcatttag aaactgatag cgctaaaata ttaaaactta tgcattccaa tgtttacatg 300  
tgtatgtgtg tgtgcacatg tgattctgct ttgcctgttt tactatctta atgattatcc 360  
cttcttactg tttcctctga ggatcttatc t 391

<210> 230  
<211> 298  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA461453

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gggaaggacc cggcacccctc ccctgaactt cctggctact catttccagc gaagttaaat 180  
ctatttttaa taatcgttca gttttcaagg aaatggagga gctgtttttt cccacggagc 240  
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<210> 231  
<211> 420  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA463311

<400> 231  
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acaacaggta cctgtacgtg aacagccgcg cctggcccaa cggtgcggtg gtggccgacc 180  
ccatgcagcc gccaccaatc gcggaggaga ttgacctgct ggtgttcgac ctcaagacca 240  
tgcgggaggt gaggcgggct ctgcgtgcgc accgcgctac acgcccacg acgagtgctt 300  
cttcaccttc ctggacgtca gcagggactt cgtggccagc ggggcggagg accggcacgg 360  
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<210> 232  
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<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA463693

<400> 232  
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cagccgcccc gccctgggtg tttcctccag gaaaggcctg gtcagtgaat gcctgcaggc 180  
agcagggtgt caggaatcac ctgccccgat ccagcgctgc tcttgtctgg agggccagac 240  
tgtcatgaag tca 253

<210> 233  
<211> 346  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA463726

<400> 233  
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ctgcttcttt agtcttagca tgcttaggat taggtggagt cttctctttt acatcagagc 180  
catctccacg ctcactccga gtctttttcca gatccatttc ctggcaatca ccttctactt 240  
tacgttcttc gatcggaggt gtctcttctc tctcttgtec aggttcaata tcctgattgt 300  
cagttggtgg ttcctcttgc tgagattcac cgggagccac gaatgc 346

<210> 234  
<211> 315  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA464728

<400> 234  
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acactttccc aaaggtggtt gcttccttta agatattgca caatagaaaa taaactcttg 120  
tcaatcctta aaattagtct tcaatgctat gtatttttagc tatgtaactt gtactgtgtc 180  
aacagtgaac cttattagat tcacggtgtc atcgaactta tagcaagata aaaatcaatc 240  
agtaggaatg tcatttttaa aagtaaaata gtgggacggt tgtggtggct catgcctgta 300  
atcccagcac tttgg 315

<210> 235  
<211> 302  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA465093

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ccagaagaaa tctaaaaata gcttcctgat attttatttt aaaatatctc atttaagctg 120  
cttttggttg catgccctga tctgtagaag ttaacaagga aataaaattt ccaagtattt 180  
aaaaaattta ctcatcttcc ataaagcgac ttttaattgta tcaacactta aaaatacaca 240  
gtgacttaat gaagtatcag cacaactgca tagaattgag ctccagagaa ttatacactc 300  
ga 302

<210> 236  
<211> 296  
<212> DNA  
<213> Homo sapiens

<220>  
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tcagaatact ggtcttgtag tataaatcag aatactgggc agggagagaa tctgggtcag 180  
agcacaggag ggcttctagg atcctgatct gaatagtggg tatatggctg tgttcaatgt 240

aaaaattcat tacgttgtac ccttaaggat tttgcatttt gtgtgtatta cacatc 296

<210> 237

<211> 519

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA465491

<400> 237

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ggaagctggg ccttgcctcc ttgcagggga ctctgcccag ctggaagggg cagcagctcg 180
gcaggccctg accggcaagc gggcatgcag gcagcccagc agcagctgag cttccagaat 240
tgcacagcag tgggcctgtg gagaggctgg cgtcaactga aggagaactg gagggctgac 300
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ggcgggccag ggcaagtggg tggcccgaag gcactgttcg ccgcccgtgc cactctgcag 420
gctgtagtgg tcgtccgcgt cactgctgct gccaacactg tccagctcac cagggccaaa 480
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<210> 238

<211> 295

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA476944

<400> 238

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acatttccag tgtaatgaga gataaagagg aatactgccc accgaggaaa tgactttctt 180
caccatgctg accacactgc acagcggccg atccggctgg tgaggatggg gaggtgggaa 240
gaatctcaaa gcactggaca ggggtgaggac tcaggaagtc acgggggtcag cccta 295
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<210> 239

<211> 437

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA477767

<400> 239

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tggcgtctgt cctggccccg cctgtcagaa gatgaacatg tatagtggct aacttaaggg 180
gagtgggtga ccctgacact tccaggcact gtgcccaggg tttgggtttt aaattattga 240
ctttgtacag tctgcttgtg ggctctgaaa gctgggggtg ggccagagcc tgagcgttta 300
atattattcag tacctgtgtt tgtgtgaatg cgggtgtgtc aggcacgca gatgtgggg 360
tctttcagtt caaaagtgag atgtctggag atcatatttt tttatacagg tatttcaatt 420
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<211> 451

<212> DNA

<213> Homo sapiens

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 gagaatactg ccaggctttt cctaactctt ttggtctttg gaagtgggca gggtttctca 180  
 aaccaagtgt cttccatggg ccattggaaa ggcttccctt catcagcttg gaggggcaga 240  
 aagaccatgg cttcagcact tccatttttg aaagaagtaa caaaaaagtg aattaatgag 300  
 caatcggaaa gactcaaagc attttgtact ccacagttca tttcttcaca caaacgtcca 360  
 ttactgcagc gggcatgaaa accggcagga tgtaggctc atggcctgaa gagaagtcac 420  
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<210> 241  
 <211> 378  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA478962

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 actttgataa ttttaaccat acataaaaata tggagtaatg gaagctatgt tacatggata 180  
 ttttacaag gaaaaaaaga tgactttttat aataacacat ccagatgaaa tttatcatta 240  
 aattttggat ttcattatgat gttaagtatg gatataattca aaacaattac tatttataga 300  
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 atatttttag gcaaaaag 378

<210> 242  
 <211> 372  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA479044

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 acctgttggg tcttggctgt tgggatgata attcttttgg gtgaggggaa cagccgtggg 180  
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 tgtttttact ttcgcaccaa caatacaaca taagtattgg gtacaaaaga ggagatttcc 300  
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<210> 243  
 <211> 501  
 <212> DNA  
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<220>  
 <223> Genbank Accession No. AA479286

<400> 243  
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 aatatgtttt tggtgtgtgt gttatagttt tttgcattcc ttctacacca gagaatgaag 180  
 acccagattc ttagaaaata agccaaactg gcattcatct ggtttctcac agcatcagtt 240  
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 tccaattatt tggtggtctc actaactctt caagcctggg gtggctgtag gaacagtaag 360  
 cacagtggcg gtgttgataa ctgacgtgat gtgggctaaa cagacatgtt aagtcaaaac 420

tattctctgg aggaccatgg aatgggcatc cctctagact atgggagggt gaagtggaaa 480  
actttaatga atatagacag c 501

<210> 244  
<211> 403  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA481407

<400> 244  
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ttaatatctc tgctcttggt ttcaacagac atactcagca ttataacttg taaatagaat 180  
tgagtttcca ttgtttcgtt tcctgttttt gtttccttag gaacaagagg atgaaggaaa 240  
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<211> 612  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA485965

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actctgaagg gcagagatct tctcttttagc tccacctttt cctccagcaa taattgcccc 360  
ggcatgaccc attcttctcc caggaggagc agttaaacca gcaatgaagg aactacagg 420  
cttgggaattt ggacctgaat tatgttgctt caaaaattct gcagcattct cttctgcatt 480  
accaccaatt tcaccaatca atatgatggc ctctgtggca gaatcggtca aaaagatttc 540  
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<210> 246  
<211> 230  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA486072

<400> 246  
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tagaggatac tgacttcctt cctggtcaca gagccctggc aaagcaaggc aaagccagag 180  
ctcagaacct agagacttcc ttttgacaaa gcagcgcctc agaagctctt 230

<210> 247  
<211> 208  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA488072

<400> 247

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caatacaata tacatttata catttacagt ttgcatttcc tttcatcttt tttgagcaaa 120
ttcaattctg catgtcccag tttgccgctc cttccactga tttgcactta cactcatgac 180
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<210> 248

<211> 469

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA488432

<400> 248

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tgtatgaaat atagctacaa atatacataa agaattcaga tcacaaaact ctctaggaca 180
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taaaaatata aaaaattagc cggatgtggt ggcgggcgct agtagtccca gctactcggg 360
aggctgaggc aggagaatgg cgtgaacctg ggaggcagag cttgcagtga gccgagaccg 420
cgccactgca ctccagcctg ggcaacagag caagattctg tctcaaaaa 469
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<210> 249

<211> 231

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA490341

<400> 249

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caacgtgcgt gcacgctgag tgaggctctg gcatgggaaa gttccgggcg acggtgggac 180
aagaccgagt ctcaatggcc tggatcggtg ttggggggga gaaggccact c 231
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<210> 250

<211> 505

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA490667

<400> 250

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aaaaaaaaaa ccaacaacaa caaaaaacac cgcttttttg aaagagaaat gacagacaca 180
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accagatca gacctggggg cccaatagtg atgtggcttc catagtacgt tgttcaccaa 300
atctaaggtc acctgggtctg gccaggccaa tgctgttggc ctttggggaa gcaggtcacc 360
ctgcaggctc tgcagccctc cacacggaca cagagagagt tggagatctc tcccctacga 420
ccctccagct ccattccagt ctagccctt tctccttcca ccccatggtc ttgcttaaata 480
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<210> 251

<211> 407



<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA495865

<400> 251  
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ctactcaaag cccctgaatt gttgtcaact ttcccccttg tgttggtgtag ccctaacgtc 180  
atttagcttg ttgtctgatg cctccagtag gacacctccg atggagcttt gatttctgag 240  
cagcgaaact cccttcctaa gatgcatctc gcataggctg cctatgatga aggaccgtgc 300  
acctccactc caacagagtg ctgagtttaa aagttgacct gtgtttgtaa tttcactttc 360  
atcttgctta ataaatatct gctggattct ttcattcaaa aaaaaa 407

<210> 252  
<211> 520  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA496247

<400> 252  
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tagggataaa aagaagaatg agatgaacac attacaatat gatgtaaacc actggtatgg 180  
ttttcacaaa agtggaaaag atttaatcag tgaataaatg ctacaaattt gccaatcgat 240  
ttttaacttc ccctaaattt atatttcgat aagcaatctc taagatttca actctacaat 300  
atttgatgca caaaaacaca gaaaaatgtt ttaaggggaag aataaattat tttaagttag 360  
tcagactggt aagatatatt taaaaacctg tattccagaa caaaagtcac agatgactaa 420  
cagaaaaaaa agaacgcacc tatatctggg taaacaaagc tatgtaatac acaattacaa 480  
taaattatta tggataact ttggatactg ttatatattt 520

<210> 253  
<211> 406  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA504805

<400> 253  
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caggcggggc agccctcggc gagctacgga ttctctggga gatttgatag agctccatcg 180  
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ggaggcgtc actcagcacc cgcaggagac acgcctgcag tgggccagct tggcctcacg 300  
ccacaacagc ctgtcagtg acgtgtcgta gattgtgtag ccgctcatgt cctctttcag 360  
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<210> 254  
<211> 423  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA505136

<400> 254  
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aaaagggggt agaaataaat acaggattgg gtcattgtaat ataaaatagt catctctaca 180
tatactttga tttttaactc ttcattgcacc tttttttttt tcaatttttag ctgaatggac 240
accaagctag gcacatagtg aaaaatcctc tgtacaagggt tacaaatgta atgacaagtt 300
tgtccatttc aaaataagat ttgtacacaa cacataaaac ccttcattta gatcttgtgt 360
ttataaccta acaaattgaca ttccaggcaa ctttacaaaa gtttaactag cctacatttt 420
gac 423

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<210> 255  
 <211> 395  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA598695

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<400> 255
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gtttggccat gttccatcat taatgttcca acatcaccag ggacacaaag ctcagcatga 180
gggcttctac ccaaattctc ctacgacagg tacttcttca actcttccac cacctcttga 240
ggctcaggga atttgagttt gcgtgggggc cccttcttaa tcccagtcga gagctccgca 300
ctgctgccgt ccgggcgcac agcgtcacct cgaagctgcc cctccgcgtt aacgtcgggt 360
tcacctttac tggaagctct ggggcctcca gggca 395

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<210> 256  
 <211> 369  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA598939

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<400> 256
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tgaaaactaa aatttccagc ccttgactat ctgtagtcc aaacatcaaa ggaaaatatt 180
ggaacaattt atctatgtac agagagaggc aactcatggg taccataagc aaaataacct 240
gagggggaac atttgatatt acaagaagtg gtgagagttt acaagtcttg cattgctttc 300
tattgtacat ggctctgtag taatgccaaa aataacaaaa tgtaggcact tgctctggac 360
ttctgcagt 369

```

<210> 257  
 <211> 408  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA598982

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<400> 257
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caataaagca ggaacagcaa acagattttt ccatcacatg acaccctcag ctgattggcc 120
ataactgcct tgactgctgt gtggacaaag attccaagga tgtacttttg ctccatggga 180
aggactactg caatttatta gcggtatctg taaacatggg gaataaatct gaaacctcac 240
tagccatacg agaagccaca ggcaccaaga ctggcggtc cactgccaaa gccagcactg 300
gtgctcggtc caccacaaa gccagcacca gtgtttggtc caccgccgaa gccagctcct 360
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<210> 258  
 <211> 346

<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA598991

<400> 258  
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aacacacggc actcctcgaa tacagtcata ctaaagcttt agttactgcg tggtaaggct 120  
tcttaagtca cagtgtattc ttcaaggcct gggccaaaaa aagagacttc gagacaagat 180  
gacgtcagat tacatggatc gctaataaac cgagctggac tagatccgac ttgatctaca 240  
cacatgccac tactgctcag ggccactgcg ccacgctggc caaggggtct gcactcacgg 300  
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<210> 259  
<211> 428  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA599120

<400> 259  
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gttgctctcc gagccagtgt tactatcact ggttccttcc tctgccatac tgtcgacccc 180  
ctcctgccca ctctccttgt cctcaggagt agacgtgcct tcttcacat tctgttggct 240  
ctctgttgtt tcttcaagggt gtgtctcctc tgtctccatc ggaatgttct cgtcgtcttt 300  
cttctcctcg cctttgttag ctgcttggtc ttctcagga acgatgctgc tctgactgcg 360  
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tgctgtg 428

<210> 260  
<211> 546  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA599216

<400> 260  
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atgaagaaca ttttacttat ttttatgtcc agtacagtca aagcagccac attgcataac 120  
cccggggggc ccccttcctc tttgtgatgc ccagaaaca tattgatttg attatagaaa 180  
gccaccggca gcctacatgc gcaacggtga gttgttgggt atatacactg tggaccatac 240  
agtggaaatat tacagtcaat aaaagggtatt tttagagaga aaaaaaaaca ttggaacacg 300  
cttatgatata aatgttaggc aaaatcgctg ttatgaacag ctcgtttggg gcagagcaaa 360  
tcctgggaag taacgctgag gctgttgggt caggcagtgg agtacaacat cttcgagggt 420  
atggagtgcc acggctcccc actagtgggc atcagccagg gcaagatcgt ctttgaagac 480  
ggaaacatca acgtcaacaa gggcatgggc cgcttcattc cgcggaaagg cgttccggag 540  
cacctg 546

<210> 261  
<211> 324  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA599331

<400> 261

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gtaatatcta aaatgatctc ctcttggtcgg aggtagattt tcccagtagc ttctaactcc 120
tgacccagaa gcggtgtatt gcgcctcagc atggaggagg acgtgaaggc gtacggagtc 180
tgaggagtagt acaccacgta ggtaggtttg tactgggttg gctttgtgta ctgtgttccc 240
caggcaattc gaatccagac tgcattctcc tcagtttctc tgaagctgac tgtcacattt 300
tttaatgctc tctgaagaat tttc                                     324

```

<210> 262  
 <211> 271  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA599365

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<400> 262
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accagtcagg aaatgtatgc tttgtgcttt ataagcttac attcaacata gatgacataa 120
gttaccatac tcaaattgtaa gatagggaga ggtagaagaa atagctgaga acttgaaaag 180
atgtactgtt attgtcaaca aaccaatgtc ttctcccttc ataaaattgt gtttagggaa 240
tattaacaat taagcttgta tacaatagta a                                     271

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<210> 263  
 <211> 317  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA599522

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<400> 263
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tatttaatat gaagggtgag gcagggccgg ggcgggaggg cgctgtcact tggatgatgg 120
gttcgcgttc atgctcttgc cgctgccgct gagcacgatg taggggggtct tctgagcctt 180
ctgcttctcc tggagcaggg ccacgggtgcc caggggcgtg tcgctggagc tcattcttct 240
caggagcgcc tcctcgtcca gcttcttcat ccgccgctct gtcttcatct tgcctgagcc 300
cttgccatgg aagcggg                                     317

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<210> 264  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA599661

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<400> 264
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gatggtaaatt acagaagatg caatagtata aaaagccatt taacccttcc ctaggttaag 120
acacttacag cagacaaaaa ctgccccacc cctaattccc tccttgaatg gaaacaaaat 180
aaatataaat taataaatac aaaacaaatc actgcacagc ccttaa                                     226

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<210> 265  
 <211> 273  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA599662

<400> 265

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tttactctaa gaatttgtct tattttttaat gcatggaaaa tagcaaaatt atcatgccaa 60
catgaggaat atatactata attcataaat gcctaattat caaaataatg acatagtcac 120
ggtagatgc aacctagaaa tcttatataa gatgcaacta catattgtat gatcattcct 180
cttatatatg acattcaatc ctcacataat tcagctatga ataatggca ttatgaaata 240
aacacttaac atcacaatag ggtcatagtc tgc 273

```

<210> 266  
 <211> 281  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA609006

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<400> 266
tttttttttt tttggcctgt atctcataat tattttttatt tagaggaatt tggtagtggc 60
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ccaaaataca ggtatgtttt cattctctat gccctaaac accctccctg cagctatgca 180
acgagcaatt cacgggaaga ggcttcttta catagacccc tgttttttgt gttttgattt 240
acttttgtgt atagagttga tctgtccctc tccccattgg t 281

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<210> 267  
 <211> 467  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA609027

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<400> 267
ttttgaacat gtagctcact ttattttccc caaagatgtc ttgaaatttt aatcagttca 60
gtcatcccta tctttcttct tacatatata tcctatagat tagtgactct tgtataagac 120
aagaaaaact aatgtgcttg tttgatatac gcacagatca gtctctaagc agaagtgaac 180
atatgggaaa atgagttgga aaggaaaatg ttatagaaaa tagtaaagac aaaccatggg 240
accacctttt ctcagtgaac gatacattgt cgggggcaga gtgctggaga gctgggcaga 300
gaggaacaaa atgtctgaca gcaggagccg gagcccaggg aggaaaccag atggaaaggg 360
ctctgctcag actgactcaa tgtgggcaca tatgggataa aggacatcac agagaactca 420
ggaacagaaa ccacactgaa atagagggat ggggagacat gctgggc 467

```

<210> 268  
 <211> 399  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA609309

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<400> 268
tttctcact gatagctgat cacattaaac aggtacaggt gctaagaaag ttttaagactg 60
atattttggc aatgacagtt taggttaact ctgtttggaa ttcctaaaaa taaaaagaaa 120
tcccttaaaa aaggctgaca aactgaccac ttggccttga atcgactgtt agggtcacac 180
ctgccaatgc caggggacat cacaacaaaa tagagaatgc caagataaaa agttcactgc 240
attcaatttg gcctaatttc ttgataatag tttcctatta gattttccga ttaatactga 300
tggctcttac ctaggctgtg ataattaggt tttgatctat tgtgacatta atgatcaca 360
tcagttgact ttgaaattgt ctttaattaat ggctctttc 399

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<210> 269  
 <211> 387  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA609312

<400> 269

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ttttgggttt gtttctttta atcacaagaa gtctctctgt ggggtgctgag ctcaccgtgc 60
cgcaacgtca tggttatggg tggctgggcc ccagtcagtc tcgtgtggca gtcgggacct 120
tctacttcct tgccttcgct ttcttttcct tgctcgctct ttggggcttc agggcttcct 180
cctggcctgc gtggctgggt atggggggcg ggataggggt gggggcggtg aggttcagag 240
tcttcttctg aagcttcagg tccaagatgg cgaatgtgtt ctggatctgg cgctgcagca 300
gctcctgcag gagctccatc tgggtgtgga ctgcctggca gatgaggctc tccaactcct 360
gtctctccag gacctggccg ggctgctg 387
```

<210> 270

<211> 353

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA609504

<400> 270

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gtgtagagtg aagtttgtca ttaacaaagt gtgagacatg gtaggtctca gaggatgtgt 120
gatgcagaat ctttcagccc cttatcagag agaacacact aaacagaaac cagaagcaaa 180
tcagcatatg gttcaaacia taacaaatca tcagggttaac tttcagtgaata tatacactag 240
tcctatgagc gacacacact tggcaatgcc ttcaccttgc cttaaacatt ataaatctta 300
cattccaggg acacctttac aaatgcccct gtttgtgtgt gtgtgtgtgt gtg 353
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<210> 271

<211> 424

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA609645

<400> 271

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gggggcaggg agagtgaag aggggtcaggg gtgagcagtc cgggcccggg cctggagggg 120
gctgaggctg ccgtcgtggg aggggcttgg ctggcgaggg cgggctgcct gtggaggcct 180
tgaagctttg ccagcagctc ctggatgaag tcctcgacag gtttcccaca tgacttcagg 240
agtccctgga ttttccggct tctctcctct tcaactctta actccaacaa ttcattcaatg 300
ttgatctcat cgggcatgtc tgcctccatg ccgcgggtaca gctcctccag gcgcccgtcg 360
atccacttct ccacgtccag ccgcgcgtgc agctcccgcc ggtcatactt gacgggtgacg 420
cgcg 424
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<210> 272

<211> 377

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA609943

<400> 272

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tttttttttaa atttaacact ttcaaacttt attatcagta cagtcaaagc aatacaaagt 60
tatatggaac taaattaatc tagaaagtag atttttatat cattcaagat aaggagaagc 120
ccagattaaa tatataaaat tgttggttatt tacacagcta acttcccgtt ttgaaaacaa 180
tcccatacgt aaatttcttt tttggagcaa ggtaacttgg tgattgttct atctctaccc 240
agaattcacc cctatttggg aaactggggg ctaaaagcaa tcagaattca ccagttcaaa 300
aacacttacg tccatcttat tagcaacact aactaccagc aggaaactaa aatagaccag 360
```

atttacagca gtaagta

377

<210> 273

<211> 487

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA620289

<400> 273

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aagccctgtg ctttggaacc gcatcacagc gcccctcaca acagccctgt gaggtagggtg 120
aaggagccca cttcccacat gcagacactg aaggctcaac agctccccta ggcctcaggg 180
ttcctgcggg gtgggcaggg gtccagccca cgggtctgac cccaggtcag cggcgtccat 240
cagtcagagg gcgggtctct actcaagggg agggcccggg tccagagtct ctgggtccag 300
cctgtcccgt gggaaatagg gcaggggtgc cccgtggctg tggagggatt tcgagctgga 360
gaggggctgg ggtccacatt cgaggccctt tcccacgtag gcatccaggt gatggcttcc 420
gccaaaccag gaaggagacg agaggcccgc caggaagaag acttgggtcc gggatggtgg 480
gcccac 487
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<210> 274

<211> 303

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA620461

<400> 274

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cattataatt gttttataca aacaacagtt taaatttact tatgtttatc atttatttgc 120
ttactagttt ttcaatttca gataatcctt ttagaatcat ttcccttctt gaagatcatc 180
ctttttagtg ctctttactg aagttgtgct gaggataaca tctgtttttc atctgagcat 240
ctgtttgttt cagtttcgct tggtgcaaata tctaagctaa tagtttttct cagaattcta 300
ccc 303
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<210> 275

<211> 277

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA620825

<400> 275

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tcttctgtac agaatatata caggttggga ctggcaaggg aaatcctatc tcaggaaggc 180
gatgaacacc accacagagc cacagaccct tagcaatggt ccctggcttt catttgcagt 240
tggccttgct tctggacaga gtttgatgtg ctgggac 277
```

<210> 276

<211> 464

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA621367

<400> 276

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atacagaagg aagacgacgg acccaggtga caaaacttct cgggacttcc tgggtcaagcc 180
ctagctatca gcctcaagga aagactacca tgccttgagg aaaggccagg tgagcgctgg 240
ctggagtgcc tgcaggccgc aagccctgag cccaaccctg aggtgcagtc agggagattg 300
gagctacacc tctgtcccct gggagctgtg cctcaggatg ctgttctcac ctccggcagat 360
tctggggcag tcagcagccc cttcagggat cttactccca gagccaccaa gcaaggtgga 420
catcctccct gatgggactc tcgcctaccg gggctactca ccac 464

```

<210> 277

<211> 361

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA621634

<400> 277

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cccctttccc cagcatattg caaaaagctc tccagtgtta aggcattggc aggggtgtgt 180
aacagcagcc agcatatgtg gaagaataat acaaagcttt ttttttctt ctaatatgtc 240
tgtgcagcaa gcataaataa caggacccat tccaaggagt gtgtgtgggt tttccccctc 300
ccctgtgtcc tctgtcacct tggatgatgag gccagagtga tgtgaagact gggaggggaa 360
c 361

```

<210> 278

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA621695

<400> 278

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tggcctccag ggccctggtc cagccccact gtgggggtcac atggaaaccc aggctgggga 120
gccgcctctt gtctcaciaa agtccacgtc ctccgggaaa acggcaagcc ctccggcgtg 180
gggtcagcga tgccggggccc tccatgctac aacctcttgt tcttgctcag ccggttgtgg 240
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<211> 330

<212> DNA

<213> Homo sapiens

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 <213> Homo sapiens

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 <221> unsure  
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 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. D13628

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<211> 4187

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. D13643

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<220>  
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<210> 299  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. D42073

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<400> 299
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gctaggggaag attgttgatc gaatcgacaa tgatggggat ggctttgtca ctactgagga 360
gctgaaaacc tggatcaaac ggggtgcagaa aagatacatc tttgataatg tcgccaaagt 420
ctggaaggat tatgataggg acaaggatga taaaatttcc tgggaagaat acaaacaagc 480
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ccacaaaaag caagtttata cctcagattg gggataaaaa attgtttttc gctcagtatt 1200
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aagg
2104

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<210> 300  
<211> 419  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. D45370

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agtgggtggac caggccacag aggcggggca gaaagccatg gaccagctgg ccaagaccac 180
ccaggaaacc atcgacaaga ctgctaacca ggcctctgac accttctctg ggatcgggaa 240
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agggagactt gggtgacccc ccttcaggc gccatctagc acagcctggc cctgatctcc 360
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<210> 301  
<211> 3233  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. D50928

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<400> 301
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cggctcagcg agctgcgggt gatcgatctg cgggcggagc tgaagaagcg gaacctggac 180
acgggcggca acaagagcgt cctgatggag cggctcaaga aggcggttaa agaagagggg 240
caagatcctg atgaaattgg catcgagtta gaagccacca gcaagaagtc agccaagaga 300
tgtgttaaag gactgaagat ggaggaggaa ggcacagaag ataatggcct ggaagacgat 360
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atggacatga gtgtgctaga cgaaactgaa gtggcgaata gcagtgtctc agattttggg 480
gaggatggca cggacggcct tctcgattcc ttttgtgata gttaaagaata cgtggctgca 540
cagctgagac agctcccggc tcagccccc gagcatgctg tggatgggga aggatttaag 600
aacactttgg aaacttcac gtgtaacttc aaagtaactc cggacattga agaatccctt 660
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gagcctgtag ggctagagcc ggcagttgag cagagtagtg cggcctccga gctcgcgagg 1020

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caacgcctcg	aggccttcca	tgagcggaa	gagaaggccc	ggctacagcg	ggaacgcctg	2040
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tgccaccatg	ttgtagctca	atacaatgtg	aactcacttt	tttttttttt	tttaataaat	3060
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ttataaaagt	ttaccattcg	caaaaaaaaa	atgtgttctt	gttctgccat	ttttaaatca	3180
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<210> 302

<211> 404

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. D51060

<400> 302

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ctcttattta	caaacaacac	tgggcaggat	acccaaacaa	acaaacaaga	aatwcttaca	180
aaggcatgaa	gctgtttatt	gacagtaatc	agctttcatc	aaattaaaaa	atatatatwt	240
btwcatacac	agttaacgag	gcaggccaga	aagagttyat	ctgtaggctc	agcctcgctc	300
tcacctcgtg	ccgaattcct	kcagcccggg	ggayccacta	gttctagagc	ggccgccacc	360
gcgggtggagc	tccagctttt	tttccyttta	gtgaggggta	attg		404

<210> 303

<211> 283

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. D51069

<400> 303

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atgtatgcat acacacagac agacacacac acccgaagtc tctagccagg cgccgtttym 180
catcccyaaag taccattctc tcatttgggc ccytctaggg ktggggcccy cgtgccgaat 240
tcctkmagcc cgggggatcc mctagttyta gagcggtccc acc 283
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<210> 304

<211> 347

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. D60074

<220>

<221> unsure

<222> (1) .. (347)

<223> n = a or c or g or t

<400> 304

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tactaacatc acatgtacat ttttgttttt ttaatttaat gtacagaaca ggatatactg 180
taaaabtytt cttcaccttt ttaaaagctt catttgcaag ggcaggvcat gtacctaaca 240
gaagcggctt gtttgtgagg ttgcttaagg grgaactatc ctgttcatgt ttctgaaatt 300
atcttttatt tactaagrtg gacaacactg tatttccata gcttttg 347
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<210> 305

<211> 293

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. D60755

<400> 305

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cccagaaata ctagaaagcg caccataaaa cgagggcacg agattgtbgt cccattcacg 120
acggagctga gggggagggtg tgcagggtcc agcctagatg ttcaggattg agatgtgggt 180
cgtgaaagga aagtgggttt tccgggatgt gggggctttt ctvagcactg ggtccactga 240
cgctgctgyt cccaagggga tgctaggacy ccgytcaggc aggggtgggc tcg 293
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<210> 306

<211> 354

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. D62584

<400> 306

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tccccatttg tcaaagttga cctcaagata acatttttca ttaaagcatc tgagatctaa 120
gaacacaatt attattctaa caatgattat tagctcattc acttattttg ataactaatg 180
atcacagcta ttatactact ttctcgttat tttgtgtgca tgcctcattt cctgacttaa 240
acctcactga gagcgcaaaa tgcagcttta tactttttac tttcaattgc ctagcacaat 300
agtgagtaca tttgaattga atatataata aatattgcaa aataaaatcc mtct 354
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<210> 307  
<211> 482  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. D62965

<400> 307  
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ccaaaacagt gattgaaatt tcccaaaata attatggctt ctgtcatctc cagagataat 120  
ctggcttggt ttaccccata atctaatttc agaaaagaaa gctttatattt aacactcatc 180  
tgaatcaaca ttaaagcctt ttctctcaaa gcgtttattg agaaactcaa atgaatatac 240  
tttttgaatt actgtcatca aaagtgtacg gcttcctgtg ctgcttgtgt caaatggaac 300  
ctgccctcta aagcactttc ttccctttac ttgcgtgggt tcatgtaagc tgtgctgttt 360  
agaacaacat ctcagacttt acaaagaatg acaagaaggc aattgcactt tttagggata 420  
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at 482

<210> 308  
<211> 383  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. D80059

<400> 308  
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catcatttta gcgctttctt ttagaggcag ggtcctgaca actcttgatt aacacacaca 180  
tccaggcact ttgtytctyt tcctccgttg tcctttkata aacaccaact ggcagagggg 240  
acatggagca ttttttcttc aattgcagtg attccttkag ggaaaggggc cytcaggagc 300  
attgttcaca ttctccgbyt tgtcctggga ggcagttaga ggatgtkgtc actccagaat 360  
aatttwttka ktcacatact tyt 383

<210> 309  
<211> 328  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. D80063

<400> 309  
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tgccagctgc atgcaagccc ctamgttaga tacaatcmgc cctcttcatc agcagggtcca 120  
catcttcmga ttcaactmga ygcggctgaa tatttgamgg aagaaaaaat aaaaatacaa 180  
atmgaamgaw acagtataac aacygttkcc attatacaat atctatacat ttcgttagtg 240  
atgacttcaa gtacayggga ccaggcacgg tgactcacac ttgtatycca acacttcgga 300  
ggscaacctg ggagsatagt gagacctt 328

<210> 310  
<211> 377  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. D80237

<400> 310

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ggccaggaag ytytggrgga ctcacctcgc cacctytggc acaggcactg gcactgacgg 180
acaaggsgaa acagcggccc ctctcaactg ggrgggcacc aatggcccct gtagccagag 240
gttgcccggc ttttggggcc caggtcctag gcatgactgg tggtcaccaa tttggccctt 300
ktccccaacc agtgctgggg ggccatcttt aggcagaact caggaagcct cgtscggaat 360
tcctgcagcc cggggga                                     377

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<210> 311  
 <211> 295  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. D80617

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<400> 311
aacaacaat tgtgtttatt gacaagttca tacatcagta caaacgggca cgttaaaaac 60
agcggccccg ccccatgcag ccgaggatga ggcaggaagc gccgcgacct gcacaaagta 120
taaaagttat aaataagggg ctttcaaaac agggcggggg caaatctgga gtggggcggc 180
ggttgccggg ggcctcagac atgcagaagg ggacggggcg ccggccgggc cacgaggccc 240
cccaccaca tggggcagag ggcaggaaaa gggcgggccac attctcctcg tgccg      295

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<210> 312  
 <211> 313  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. D81655

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<400> 312
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gccctcctct gcccctatgcc tttgggggtct gtctgtccgt cttttttgtt gttgttttta 180
tatattgaag cgccctggccc agccccccagc ccccagccc cgcactgsgg ttaatttatg 240
tgttgtttta aatgcggctg ctctgcttcc tgcctctgct tctgccsgat ccchaawaaa 300
atgkgggggc ccc                                     313

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<210> 313  
 <211> 1425  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. D82346

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<400> 313
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ccgcgctccg ccccgctga gcctgagccc gacccggggc gcctcccgc aggcaccatg 180
gtgcagaagt cgcgcaacgg cggcgatata cccggcccga gcggggagaa gaagctgaag 240
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aagtttgccc ggaaaccgtt ctgtgtgatt gacatcatgg tgetcatcgc ctccattgcg 720
gtgctggccg ccggctccca gggcaacgtc tttgccacat ctgcgctccg gagcctgcgc 780

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ttcctgcaga ttctgcggtat gatccgcatg gaccggcggg gaggcacctg gaagctgctg 840
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tactacgagc gaacggtcac cgtgcccatg tacaggtagc gccgccgggc acctgccacc 1320
aagcaactgt ttcatttttt attttccatt tgttcttaaa cccactttt tgttgttcat 1380
tattttgatt gatttttttt ctttaaaatg tatttttcac aaagg 1425

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<210> 314  
 <211> 493  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. D82534

<220>  
 <221> unsure  
 <222> (1)..(493)  
 <223> n = a or c or g or t

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ttagatgctg aanatttggc tgatattgaa natactgtgg aatggagaca tagaaatggt 180
gaaagtcttt gtgtaatgga aacagcatcc aacttttagt gttccacctc tggttgtttt 240
agtaaggaca ttggttgact aaggactagt gtctgttggc agcagcattg tgcttctcca 300
ncctttgctg attgtggtca ctcatTTTTgt tgtacaggaa cagctttaan aactatgtca 360
tcactcccan aatcttctgc aatgtgtaga aaagcagcaa ggactagatt gcctagggga 420
aaagacttaa tttacttttg gagtgaaaaa tctgatcaag aaactgggac gttgttactt 480
cctgtttcct cca 493

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<210> 315  
 <211> 3198  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. D83018

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<400> 315
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ccaacttgca atgacttcca tggacttgtg cagaaaatca tggagctaca ggatatttta 840
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3198

<210> 316

<211> 217

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F01920

<220>

<221> unsure

<222> (1)..(217)

<223> n = a or c or g or t

<400> 316

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tgctttaacg gttgaggttt agtgtatatt gtacttttta cccttaaggc caagtaattg 180
gcaactgtga accattaatg taaaatattg ataataa

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217

<210> 317

<211> 205

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F02204

<400> 317

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caccagctgg ccaaattgtcc tcccttaact caggggtacc caaggctcca tggccatgtg 120
accagaggcg tgtaccctca agaggcggcc cctcagccct gggcagccca gccactgggt 180
ctcgcccttc aggggcctgc gcccc 205
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<210> 318

<211> 298

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F02245

<400> 318

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atggaacatt aggcaccaag ttcacaatca cactaaacat agttcacaat ccttcaatcc 180
atactcttca gtggaggatg aggccttatt taacagttaa ctgggacaga cagatgaagt 240
tttaaaatct aattcttggc ctaactgtgg agtggggctg actcagcctt cagaactg 298
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<210> 319

<211> 212

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F02333

<400> 319

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gcacaaggcc ttgatttcat catgcttttg ctgtggatgt agtgtagctt gctgaacagg 120
tatggaagct gtctttgctg ttaagtactt ctcccgtttg tttatcaacc tgcagctaac 180
aggatgtctg cttttttaca ggtttatttc ac 212
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<210> 320

<211> 221

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F02470

<400> 320

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caatcactgt tgctcccaat gggaccgttg gacataagcc ctgaggcttt ggggtcaacg 120
ggctagactc tagaagccca ggaccccgcc aagggtcatgt ctgcatactt ggggcagggc 180
gagctgttga accatcgcac ttctctgctg cttctttaca t 221
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<210> 321

<211> 312

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F02992



<220>  
<221> unsure  
<222> (1) .. (312)  
<223> n = a or c or g or t

<400> 321  
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gaaaaaaacc cccgccaaat ctgaaccgcg ttgtagctcg gtccccgcct cctcagcggg 120  
ctgtcgcgtg caacaaacct ccccatcat cttagaaaat aattatagag cgcggcgccc 180  
cgccctcgnt cctgccagtg ggcgnttttg tcctattttt tggattattt cattacgaag 240  
cacgtgaatg aatctagccc ccacaccttc aagaaagaaa ctgcgcggact ggggttgaaa 300  
agcccaggtg gg 312

<210> 322  
<211> 202  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. F03254

<220>  
<221> unsure  
<222> (1) .. (202)  
<223> n = a or c or g or t

<400> 322  
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aaatagattt taactaaaaa attatttcgn gacaaaaata acaatatatg tnaataaaaag 120  
gctcaattaa aaatgtataa caattataaa cacatacaca tcaaacaaca gtnccccaag 180  
atacataaag caaacattga ca 202

<210> 323  
<211> 305  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. F03969

<220>  
<221> unsure  
<222> (1) .. (305)  
<223> n = a or c or g or t

<400> 323  
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attgtaagtc aagggtgaaga aaacattttt tgtacatcca tcactaatag agatcacagt 120  
atgtcaatga aatattttaa tacactgtac agagattgct ttttaattga tttctataag 180  
tagtattaat aggaaaaagc atataatata atctactctg tatctaagag ctttaattta 240  
ttcaaataat ggaagaaatt catctnctga atttttctta tttaaaaagc attatgagaa 300  
ctgat 305

<210> 324  
<211> 335  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. F04112

<400> 324  
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gctgcagcct ccacctcctg ggatcaaccc ctacctcatt ctcttgactg ggactacagg 120  
cactcaccac cacactgggc taattaaaaa aaaaaattct tttttgtagg gaagtgggtct 180  
tgctatgtca cccagggttg tctagaactc ctgacctcaa gtcacccgctc cgcattatcc 240  
tcccaaagtg ctgagattac agacgtgagc cactgcactt ggcctattta gggcttctaa 300  
ttcactttcc ttttccttct tgtctaattc ttgtg 335

<210> 325  
<211> 178  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. F04492

<400> 325  
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ctgccgcatt ggcctctcaa agtgctgcga ttacagggtg gagccattgt gcctggccaa 120  
aatgtgtatt tttaatatgc tgctgagttg actcttgtat gatcaggagg agcatttg 178

<210> 326  
<211> 211  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. F04816

<220>  
<221> unsure  
<222> (1)..(211)  
<223> n = a or c or g or t

<400> 326  
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aacaattggg taatttgtga gacaccaaag aaaaaaagaa tgcacctatg agttacagag 120  
tccaaactga tcagggtgta caacttgacc accatgtntc ccacaccacc acccccacca 180  
ccaccaccac caacagcttc gtcctcagag a 211

<210> 327  
<211> 276  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. F09281

<220>  
<221> unsure  
<222> (1)..(276)  
<223> n = a or c or g or t

<400> 327  
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aaaccaatag gaaatatatg aaataaaaata aaattatacg taaaagtgc aatgcctcta 120  
ttagatttaa cagtatctta caatagaata agttgaaacc tacaaaatgg aagaaagttt 180  
aaaattaggc agatattatc ancctgggtg agaataaata catatgtcaa taagcattta 240  
atgtatttgg tcttagattt tacatgaaat aataaa 276

<210> 328  
<211> 293  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. F09315

<400> 328  
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tcagtcccac tctgacctga acttagaaaa cagcccctac ccccagaggt ctgcgagtta 180  
ataccttgag aatagtctac agtttttcat agtttgtctg agctagaaaa cttgtacctg 240  
taaaacaaag gacagcattg aggactgaaa cttgtctctt ttttgaacaa ctg 293

<210> 329  
<211> 214  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. F09684

<400> 329  
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aaaacataca gtatcttacc aatagccatt aaaataggct aaaatgaaaa agaaaccgtt 180  
gtaacaaggt tactaatccc ccaactttca atgc 214

<210> 330  
<211> 332  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. F09748

<400> 330  
gaatgaaaga atccagcaga tattttattaa gcaagatgaa agtgaaatta caaacacagg 60  
tcaactttta aactcagcac tctgttgagg tggagggtgca cggtccttca tcataggcag 120  
cctatgcgag atgcatctta ggaagggagc tttcgctgct cagaaatcaa agctccatcg 180  
gaggtgtcct actggaggca tcagacaaca agctaaatga cgttagggct acacaacaca 240  
aaggggaaag ttgacaacaa ttcaggggct ttgagtagtc aagacaatta gcttagtact 300  
tcaggtcaat aaatgctaca atttatgggc aa 332

<210> 331  
<211> 247  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. F10078

<220>  
<221> unsure  
<222> (1)..(247)  
<223> n = a or c or g or t

<400> 331  
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gccatgcgga catgggggtgg aaggctttnt ccaacactgt tacaacactt ttgtaaatga 180  
gcaaaacatc tttaaaaatc cttataaatt ctttataata tggtacacat ttagagacaa 240  
tatttac 247

<210> 332  
<211> 243  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. F13763

<400> 332  
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caatcaagat agtgtattat tagaaataac attaatagaa gcttggtcag aaatgataat 120  
agtcataata agcatctctc tcaccaaggc attccacaca gagagatcac agcacaataa 180  
ataaaggatt tctcatttgc cacacaacaa ataaaacaat tgcagtaaca aaaatatgac 240  
ttt 243

<210> 333  
<211> 415  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H01824

<220>  
<221> unsure  
<222> (1) .. (415)  
<223> n = a or c or g or t

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ctaattccaaa ataaaacaag ccaaataaaa cataaaaaca gaaaatactg ccgnttcttt 180  
ttcttatgcg ggacactagn taaaaataa gttacttctg ggccgtgggt gtcctctgca 240  
ggcgactgcc cgcccatatt gcacttgggt cactaacatc aggcacaatc ctctccggg 300  
ggccggggcc ccttcancag ggcccaccac accccgccgt tcaccggcat tacaggaatc 360  
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<210> 334  
<211> 309  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H02308

<220>  
<221> unsure  
<222> (1) .. (309)  
<223> n = a or c or g or t

<400> 334  
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cagttactga atcagaagca tttcttacia agcaaacaaa ataagcatcc cttctatgtt 120  
aataacatgt taatagtatg ttggcaagtt gatttagaac aacttgccaa caatacaaac 180  
agaaaaaagg agtgggtcaa agaaatctag tttggcttta ttttcaatag atcactactgt 240  
ctgttgaaaa aggaataaat aattatggag cctatctaata aatatactca atagnttgaa 300  
attattgag 309

<210> 335  
<211> 277  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H03387

<220>  
<221> unsure  
<222> (1) .. (277)  
<223> n = a or c or g or t

<400> 335  
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cctggggcatc cattctgggc acagtgtgac atttacctga acagagagga gantggcact 120  
agaagatgag ggagatttgg tgcctaaaaa ttactacaaa caggcagggt gcagtggctc 180  
acgcatgtaa tcccagcact ttggggaggcc gaggtgggtg catcacgagg tcaggagttt 240  
gagatctgcc tggccaacat ggtgaaaccc catctct 277

<210> 336  
<211> 372  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H05084

<220>  
<221> unsure  
<222> (1) .. (372)  
<223> n = a or c or g or t

<400> 336  
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atgagaaggc aggtgtccaa cagcttcagc ttcacccagt gccccccaga caaataatga 180  
caagtccagg gtcttctgat gtgtcaggcc agcactcccc ttgctgatgg gaaaaccggg 240  
gctcggccag cccactgca tcccctcaca tgatgatagc aggctctngc actgactcgc 300  
caatagactt gtggggcagc angctggctc cggtgaggta ggagctcatc attaactatt 360  
gacgtcctnc ac 372

<210> 337  
<211> 353  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H05625

<220>  
<221> unsure  
<222> (1) .. (353)  
<223> n = a or c or g or t

<400> 337  
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gaactgcagt tntttcaagg tactacacta ttatttataa aaaaaatcac aanagaaaa 180  
atgttatcac tacaagtagg gatttaggaa gngagnaaat tctgggcagt ctgtctagna 240

gggttaaaac atttcatggc atttgtgagt tgctgttgga gagttgtttt ttatttgtcc 300  
accgtaatct gggcaacatc cgggggctta ccttcagctc tcggcactgt gcg 353

<210> 338  
<211> 501  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H05704

<220>  
<221> unsure  
<222> (1)..(501)  
<223> n = a or c or g or t

<400> 338  
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ctcccagccc ccaggctgnc ttttccctcc aactgtcagc tgcttagctg ctcatctggg 180  
gattggagct ggagcatctg tcaagggttg ctccttgaca aacagcttcc tctttggaaa 240  
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acagcagatg agcaccagac aagggaaggt gctcgtgggt acagagggaa acagggttgg 360  
gcacagggaa atgagggaaat ggggagagag ggaggctctt tgggtccaag ctggggcatc 420  
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<210> 339  
<211> 465  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H08548

<220>  
<221> unsure  
<222> (1)..(465)  
<223> n = a or c or g or t

<400> 339  
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cagtggctgt ttacattcca ggnccctgct aaataaagna ggctccactg ccagctgtct 180  
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tctgttacat gctcatgtgt tccggaagaa catatgaaat atcatccac ggatgacgat 300  
acagcccctg cttcagcctn ttctgatcaa gatagtntcc aatgaacccc atactccttc 360  
ccagcacaaa gatgccattg agggctccaa tgtcaatatt attgcatcag cttcctccc 420  
agtaaaggga cccacagttt ttttaaggatg ttttacaatt gcgat 465

<210> 340  
<211> 313  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H15143

<400> 340  
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gaggagagct gctgcccccc tgccacccag gaggccccag ggctgatgcc accatatacct 180
gactgctagt ggtgccttaa aaggtggcct cccacacagga ggggagcctt gggggccccc 240
aggagtcagc cctcaccaac aagccctctc tcaagggggc caggggcttt tattcctcat 300
gggacaggct ggg                                     313

```

```

<210> 341
<211> 295
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H16171

```

```

<220>
<221> unsure
<222> (1)..(295)
<223> n = a or c or g or t

```

```

<400> 341
tttttttttt tttttttaaa ttaaacaccc ntatganttt attaaatcca gaactgtggt 60
aaagggcggc ggtctncgag ggggagnttg gtagggggac gagggacaag atgatgaacg 120
gccgtgggca tcccntaggg ngacccggnc ccccccgcc caaccacccc cctcngcaac 180
gctgcatacag cttcaccatg attcccagtg gtgctgggct gggcagggcg agatggctgg 240
gaaacacaga gggacagagg gacagacaga cgccttccac aaacaaaccc tggnc       295

```

```

<210> 342
<211> 389
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H16676

```

```

<400> 342
ttttttttta gttttgtggt actacatatg ttttattaaa aattcaaact ttttttcaga 60
tcgaagcata atttatcttc cattaacaaa aacgaagatc ttaaatttga cacgattaca 120
attaaaatgc tgaaaggagt tatgaggcat ttaaatacatt cttcaattag aatgtttgca 180
gcatattttct cagaggctga cctggaacac attacctttg ttggcaggca tcaaaggcag 240
gataaatcct gtggctggaa atcaattgtg agtcccatta ggatgacttt ctaggcacac 300
atgcataggg tcttgcaactg tatccgttct acttctagga aggttgctgt ctggaaggct 360
ctttcccctg ggcgagggtca ctttcccgg                                     389

```

```

<210> 343
<211> 471
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H16768

```

```

<220>
<221> unsure
<222> (1)..(471)
<223> n = a or c or g or t

```

```

<400> 343
ttttttttta atttataaaa atgaaaagtt tatttgtctc atgggttctga caggctgtac 60
aagaaacatg gcaccaacat ctatttctgg tgagggcttt aggctgcttc cactcatggg 120
agaaggcaaa aaggagctgg catgtgcaga gatcacgtag ncaagagagg atacaaggag 180
atttccaggn ctcttttttaa cagtcagctc tcatgagaag taatagagga agnaagtcac 240
ttactactga gagagtggct ccaagccatt ncataaggaa tcaaccacca tgacacacta 300

```

```

gggcctcacc tccaaaactg gggaatcaca tttcaacatg aggatttggg aaggggtcaaa 360
tatccaaact ataggcattc tacccttgga acgcctaagt atcctgtcct tctcacaagg 420
caaattacat tattttattc ccattagttt cccgaaaact taacttgttt t 471

```

```

<210> 344
<211> 354
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H17333

```

```

<220>
<221> unsure
<222> (1)..(354)
<223> n = a or c or g or t

```

```

<400> 344
ttttttttta attgttaata ttgctaattt gtacaatggg taatgatctt ataaaatagt 60
tgtatgaaag caccaaccac cttagaaagt ctgaccagca ttcatatcta ctttccagac 120
cctcatccct cctccccact cacctgactc tgctcggctc attcatgggc tttcctgtgc 180
tctgccattg ctcagggtgag tgagcagttc gcccggcaca ttgaccaggc agatccaggg 240
cancgatcg gtggagccca ggaaatggag aggctggcac agctgcagca atgcctgnaa 300
gctgtcctga ttttctccgg cttngagata gccaccactt ttgagcatta ttac 354

```

```

<210> 345
<211> 486
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H17550

```

```

<220>
<221> unsure
<222> (1)..(486)
<223> n = a or c or g or t

```

```

<400> 345
ttttttttat ttttaaaaat ctattttattt atcaaaacag tattggcaca gtaatttctca 60
tattatcatc aaataataaa attgctactt tctgtactca attccttaga atcctagaaa 120
ttgcaaatgc attcaattta acaatattgt aaataacaat acaaaagaaa gaactctgca 180
tatttatgga aacattgttg atgggtacagt tctactgaaa ctcatacaca tttcactatt 240
taatttacat atggnccttg tgaaaaaaac cagtatgttt tactttttca atttccttat 300
ggctaaaata catgtaattc taaagggata tctcttgggt gttataaaaa ccaggaggagg 360
tccaccacca ggtcaagggt gngtcaagg ntacttcaaa ggttccctgg aatggatccg 420
gaaaacaaat ttaaccena aaatgtggta ccgntttggg ggggcccctc ncgggcccc 480
caacgg 486

```

```

<210> 346
<211> 371
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H18947

```

```

<220>
<221> unsure
<222> (1)..(371)
<223> n = a or c or g or t

```



<400> 346  
 tttttttttt ctttttttag gnttcatggt tgtttttattt aaagtctggt tgggtacaga 60  
 aaacacacac acacttaaca ggtaaataa tccaaataaa atttactgca actttttag 120  
 aatttttattt gtgctacaag acacgttgca taagaaacta tttaaagccc ctgaggaaaa 180  
 aatatccatg gtttaagggtg caactgggtt tgtttcttct ttggggaaaa ggtgatagat 240  
 ggtctctggg agaaattatg ggggtggagt gagaagcaca atcgaagggt atatggtggg 300  
 atgattggcg aattgtgtgt cctgggttct tggcagcatt aaaatagcct aatgttttgt 360  
 tctttttttt a 371

<210> 347  
 <211> 187  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. H21814

<220>  
 <221> unsure  
 <222> (1) .. (187)  
 <223> n = a or c or g or t

<400> 347  
 ttattgaggg ttattgagt gcaggagaa gggctctgat gccttggggg gggaggagag 60  
 acccctcccc gggatcctgc agtctctagt ctcccgtggt ggggggtgag ggatgagaac 120  
 ccatgaacat tctgtagggg ccactntctt ctccacggtg ctcccttcat gtcgtgacct 180  
 gggcagc 187

<210> 348  
 <211> 432  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. H22453

<220>  
 <221> unsure  
 <222> (1) .. (432)  
 <223> n = a or c or g or t

<400> 348  
 ttctcttggt gctggagttg taaaaatcaa tgtcccattg ctgagatcga agctccctgt 60  
 gtctctgggg ggctcagcag ggacgatggc ctccagagtg gacctctgag aaattgcaga 120  
 ggcatcagag ctgtgggctc agcatatgag gtccccaggg gccatagacc ccctcctcct 180  
 gggaagagtg ctcttcgaga gcttatttgc aatctcctgg gagtcccaga ctcaccaaag 240  
 gattcagatc ctcttctttt tgcctcctac atagagcaca ttatagacct gaaacaggaa 300  
 tcagaattcc agactccctt agtgaggaga caaagtgtta ggtcttagct ttttcccttc 360  
 taaattaagg gtccctccctg ggattcaggt tgcctgatag cttatncctg aaantggtn 420  
 gagataggga aa 432

<210> 349  
 <211> 233  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. H26288

<400> 349

```

aaaaacacca gtttgaaaca cattactgaa agtgagtgta cacaataaat agaaaatagg 60
gatgcatagt gctggagaca ttcaaccaac ttatcttcat ctgttgcccta ctgttgtaga 120
caaaatttga cacacaatta gcattactga aagagcagcc aaactacctc ggagaaagtg 180
ggcaaactac tggaaaagta gcttaaagct ctgggaccac tcaccaaaaa taa 233

```

<210> 350

<211> 290

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H27180

<220>

<221> unsure

<222> (1)..(290)

<223> n = a or c or g or t

<400> 350

```

aggntttatt ttggaccaaa aaaaaaacca caattgtttt ctagctggaa gantgggcaa 60
gggggggtccc agacagtaaa ctccccacg ggtgggttga gcctcaggtg ggggggtctcc 120
tgttgtctgt gcttccccac acagcagcct ccctcctggn gtctgtggca gccacgggag 180
gggcagacta ggaggagctg ccacagtntt tcacttgggc aggaagtcag aggactcaga 240
caccagcttc ccatcgcggg tntcgatctt ctnanaacc acggccctgg 290

```

<210> 351

<211> 292

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H27675

<220>

<221> unsure

<222> (1)..(292)

<223> n = a or c or g or t

<400> 351

```

gtgtctccat ggcgagtggg agcgtgaaga tgaccagctt tgcggagagg aagctccaga 60
gactcaacag ctgtgagacc aagtccagca ccagcagctc ccagaagacc acgccagatg 120
cgtctgagag ctgcccagcc cctctgacga cgtggaggca gaagaggagg cagagtccga 180
gccagcatgg caaaggntcc cgccagcctc ctggcatctg agctggtaca gtggcacatg 240
cantcgaagg agaagcgag ggccatcgag gccaggaaga agaagatgga gg 292

```

<210> 352

<211> 327

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H40424

<220>

<221> unsure

<222> (1)..(327)

<223> n = a or c or g or t

<400> 352

```

ctgtatantt tnncttnttt tttctcttgt gatttggcac ttaaggctta agcgcnaaaa 60
aaaaaggcat ctactgacaa aatatgggac ttgtctgtna tgcattggtaa gtgggctata 120

```

```

aatccaggg aggggggttc aagccagaag aagctactga caaattgact tgtccttatg 180
ttaggtgggg ttatgagggg gagagggagg gcacattctg aggtgctggg ggaaaggggt 240
tgagcttaac cttgttaatg tagggcctgt ggggaatggg atgggtaggg agaagagggt 300
atgggatgtg ggtgcagggt aggggct 327

```

```

<210> 353
<211> 448
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H44631

```

```

<220>
<221> unsure
<222> (1)..(448)
<223> n = a or c or g or t

```

```

<400> 353
actcagcatn cnttttattt tnctatctga catttctaac aaaacgccag ggagacggag 60
ttaaaaagaa tccaccccac gaaaggtaaa caaaggagac cctcagaaac tccctggcaa 120
ggatgttccc ctccccagat tggggcccagt ttcaccagca actgggtctc agactcagcc 180
ttatgccttt ccactgacac cccccacccc tccacantct cgtgattcag accagggaac 240
ttctcgggct gattgtgtcc gtgtgtctga gggaggggca cgctggaacc tgggaaccta 300
ctgggcacct ctaatgcaga tgagaaaaac ttgagaatgt gaaaggagat cagtccccgn 360
tcccacccga aggtgcagag acgcgggaca ttaaccagca gnacgcgggg gtgaaggaaac 420
tcagggaat ttctcccant gccagggg 448

```

```

<210> 354
<211> 346
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H48793

```

```

<220>
<221> unsure
<222> (1)..(346)
<223> n = a or c or g or t

```

```

<400> 354
gatttaggag attccaagtg atacctttaa ttcactactc tatgtcctta ttaataaata 60
catattttaa aaaacctata caatatagtg tatttacagc atggaagagc agagactctg 120
aagccagact gcctgagttc aaatcctgac acttctactc aaatatgtgt gagtgacttt 180
gggcaattta cttactcttt ctgtgtttct atttactcgt ctacaacaat aatttctacc 240
tcatcaaatt aaattaaaaa aaaaacggct taaatagggt aacatttgta aataggctta 300
ggaaaacact acatttaaaa aaataancat tcctaacca ccttcc 346

```

```

<210> 355
<211> 458
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H49440

```

```

<220>
<221> unsure
<222> (1)..(458)
<223> n = a or c or g or t

```

<400> 355  
ggagttttcac catgttggcc aggctgggtct caaactcctg acctcaggtg atccacctgc 60  
ctcagcctcc caaagtgctg ggattacagg catgagtcac tgctcccagc cattagaaag 120  
attgttaatc ctatgaactc cctttttagtag gagagaaagg gccaatctgt aggggtagcc 180  
ctgtccaggt aaagttgttt tcagcctcat gtctactgtt aggtgagggg gtcacagcca 240  
gacagagagt attgctggag ggtgagagaa ttgtggagac caactaccac atagcaagag 300  
cccagctctt gggagcattg agatgtaagc tcagggttac acagttccaa atcttgggga 360  
aggggctttt tcagacagac tgtttgcttt ctgctgagat taaggaattg catcantctg 420  
ccagagtatt gacttttttaa cagattatta aataaagg 458

<210> 356

<211> 446

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H52835

<220>

<221> unsure

<222> (1)..(446)

<223> n = a or c or g or t

<400> 356  
cggataccct gggggcctct gctcctctct ttgtggagac gtcgtttcac cggcggcgcg 60  
tgaccccggc agctgtccag agaccagag atgtccaatc acaggcgcac ggtgcacagg 120  
cgcgcagggc tgccctggaac gggcccaggc aggcagtgc cgggacctct ccggagggag 180  
aggaacgggtg ccctcccggg aggagctggc caggcaggcg ctgccaggg cggccttccc 240  
tgctggacta cggcattgcn actgagttat ataaagacac tatttgggga aggacagcgg 300  
gtgaggactn ggcgcggcgg cacacgcttt gcctgttgtn ttcagctctt ctgggggcca 360  
aggcagggag ttccagggtt tacagtgage ctgatngcca attgctttcc aaaagagaga 420  
aacagagaga aagggattna ggcttc 446

<210> 357

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H54764

<220>

<221> unsure

<222> (1)..(386)

<223> n = a or c or g or t

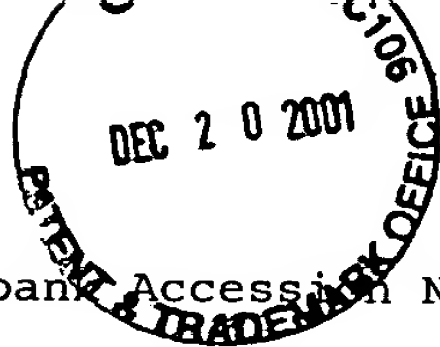
<400> 357  
gatggagttt cgctcttctt gcccaggctg gaggtgcaatg gtgcaatctc ggctcactgc 60  
aacctccacc tcctgagttt gagattctcc tgcctcagcc tcccactggg attacaggcg 120  
cctgccacca cgcccagcta attattgcat ttttagtaga gatgggggtt caccatgaaa 180  
atTTTTatTT ttattaaaag agtgcattgag ttagtcatga aggcagagcc agggcgccct 240  
gcatacaaaa tgtgaaggaa cagtaccaat tgacaaagga aggcacaaaa ctaggacaaa 300  
ggaaaaggga cttcaattaa ataaggtaat ttggaactaa ctggaaaatt gaggaggggg 360  
aaatngcaaa taaaatnggg gaggca 386

<210> 358

<211> 384

<212> DNA

<213> Homo sapiens



<220>  
<223> Genbank Accession No. H56673

<220>  
<221> unsure  
<222> (1) .. (384)  
<223> n = a or c or g or t

<400> 358  
gttaccaaga cacaatttta agatcaaaca agtgtcaagg taggccatgg cttggttgga 60  
gtagtagggg ccctatggct atttccaggt atgggtggcc ctttttcctt gggtatctgg 120  
ggaatctgcc acagcagaca gcaaaaggta aaaagcatcc ctttaataac tacaccccac 180  
tccagcaatt gaggtttatt caggggtggg tcaaagtagt acaagacaaa aatagcttag 240  
tgaaatggnt tagaatccag actgaggtgc cagactgcct gcactctgagg tctcaggtcc 300  
caccatgtat ggaggccgtg tggaccttgg gggtagaggtt actaggcctc cccgggggtt 360  
caaattcttct tcacctgtaa aatg 384

<210> 359  
<211> 440  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H58873

<220>  
<221> unsure  
<222> (1) .. (440)  
<223> n = a or c or g or t

<400> 359  
actataactt agtgtctgta tttaatatgt acaacccaaa atatatan tttntttgca 60  
tctatacaca acagggcagg agtctccatg tnttcttgag cagtgagttt gcaggctccc 120  
acaggccctc ttctcatggt aatagtgtgg ccctagtgca aaggagacta gaacccggca 180  
gccagactg gcccttcccc tctcctccct gcactccagt gcttcccaac tgggtctcagg 240  
taaagaaagn ttantttgag tgggttgggt ggaagagatg ggaaggggca aatcctaagt 300  
ggagcctgac ccctagagtg gggagttcca gggccagcag aacgggtggg ccatagccct 360  
ncctggggnt agaagctttg tagttcatag ttcgattagt ntgtccntag ggcattnagg 420  
nccagcccta cagattagct 440

<210> 360  
<211> 284  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H60595

<400> 360  
aagacagagt ggactgttac aatgattttt gcaaaatata aaaatagata tacttccact 60  
gaatgcttta atcatTTTTT cgggcactct catcttttgg ttcttctca tctgagtaca 120  
cagtgggctc ctccccctcc ttcagcagtt tgcccacgtg atgatacttg aaagtgaact 180  
gagactccca gtcactcaga gtctcctgct gggcgcagtg aggtcagaaa ggtcatcgta 240  
ctcatccttc agtgcttctt tatccgggga aatgtggggc aagg 284

<210> 361  
<211> 317  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. H61295

<400> 361

```
gaaccctcta agggacctca aagggtgattg tgccaggctc tgcgcctgcc ccacaccctc 60
ccttaccctc ctccagacca ttcaggacac agggaaatca gggttacaaa tcttcttgat 120
ccacttctct caggatcccc tctcttccta cccttcctca ccacttccct cagtcccaac 180
tccttttccc tatttccttc tcctcctgtc tttaaagcct gcctcttcca ggaagacccc 240
cctattgctg ctggggctcc ccatttgctt actttgcatt tgtgcccact ctccaccctt 300
gctcccctga gctgaaa                                     317
```

<210> 362

<211> 370

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H64493

<220>

<221> unsure

<222> (1) .. (370)

<223> n = a or c or g or t

<400> 362

```
gggtgcttta tttccatgct gggcgcccgg gaagtatgta cacgggggtac gtgccaagca 60
tcctcgcgcg accccgagag cccggggagc gggngcttgc cggccgtcgc actcatttac 120
ccggagacag ggagaggctc ttctgctgta agcggttgtg cagagcctca tgcatacagg 180
agcatgagaa gatgttcccc tgctgccacc tgctcttgtc cacggtgagc ttgctgtaga 240
ggaagaagga gccgtcggag tncagcatgg ggaggcntgg gtntttagt tnttctccgg 300
ctgcccgtg ctttcccant ccacgggcga tgctcgtggg ggtagaagcc tttgaacagg 360
gaagtcaggc                                     370
```

<210> 363

<211> 460

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H66642

<220>

<221> unsure

<222> (1) .. (460)

<223> n = a or c or g or t

<400> 363

```
ttaaagacag agtttcgctc ttgttgccca ggctgtagtg caatggcgcg atattggctc 60
actgcaaccc ctgcctccca ggttcaagtg attctcctgc ctcaccaagt agctgtgatt 120
acaggtaacc gccaccatgg ccagctaatt ttttctattt ttagtagagc cggggtttca 180
ccatgttggc caggctggtc tcgaactcct gatctcaggt gatccacctg tcttggcctc 240
ccgtgctggg attataggca tgagccacca cgtccggcca aattttactt cttaaaagtg 300
cttttctctc agtgatatca aggtcttctg tctactatta taaccataag cttctttagg 360
cattaaggag ggaaaatgtt taataaaatg taattaaact gggatggaat ggtcagtgtg 420
tttaaagtga aatatactta aatgtaatta ccggggnggt                                     460
```

<210> 364

<211> 291

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H68097

<220>

<221> unsure

<222> (1)..(291)

<223> n = a or c or g or t

<400> 364

```
tgaagtttat ttncctctggc agtatgtttt agtttcttgt ttttnatttt gttgtgtgtg 60
tatgtgttgt agattttatg atttgagggt accatgaggc ttgcaaataa cataacatgt 120
tatttttaaag tgacaacttg acactgattg caaaaacaaa cagggcgaag agaactaata 180
aaaactgtac actttaactt cattcctcct gttttttnaag gtttttatgg gtttctattt 240
atatctcctt gtactatttt gaaaagggna ttgcagggtta tcatttgttc a 291
```

<210> 365

<211> 317

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H77597

<220>

<221> unsure

<222> (1)..(317)

<223> n = a or c or g or t

<400> 365

```
tcaagtctaa gtgtttaatt attattcaca tatttcacag aaaaaaagga atgtagcaaa 60
tgagtcggag ttgtagaaaa aaaaaatcct ggnttttacg tgtcattctg ttttcatctg 120
acagcagggc tgtcccgaca tcaggcacag cagctgcact tctctgacgc ccctttgcag 180
atgcagccct gggcacactt gggcacagcc caggggnaaa caggagcagc agcctggggg 240
aaaaagggag agagaaggtc acaggcagac ttnaccaggg ganctccctt tcccaacagc 300
aggcctgggc tcaagct 317
```

<210> 366

<211> 340

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H81070

<220>

<221> unsure

<222> (1)..(340)

<223> n = a or c or g or t

<400> 366

```
caggtctaaa gtgtttaatt atcactcaca tatttcacag gaaaaggaat gtagcaaatg 60
ggtcaagggtg gtataaaaaa aaaatccagg tttgtacatg tctctctgtt tacatctggg 120
agaaagggtg tcctgggcat cagtcgcagc agctgcactt ctctgacgcc cctttgcaaa 180
cacagccctg gggcacactt gctacagccc acgggnagnc agggagcagg cagctctttc 240
ttgcaggagg gtgcatttgc ctctttgcac ttgcgggaac cagcgcggtg cagggaggac 300
accagcggcg cagggagcag ttgggggggtc cattngcaag 340
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<210> 367

<211> 330

<212> DNA

<213> Homo sapiens



<220>  
 <223> Genbank Accession No. H81379

<220>  
 <221> unsure  
 <222> (1)..(330)  
 <223> n = a or c or g or t

<400> 367  
 ttaanntttt ttaaaaccaa aagaacaact ttaataagct tttacggcac tgcaattaca 60  
 ggaacatcga ccataacat gcaacaaaaa tgattttgcc ttttggacat atttaacaga 120  
 taaacttgac attacaagta acagcaacac attcccattc tactgaagaa aacaaatgcg 180  
 atttaacttt caggtttagaa aacgtatctt cttactgcaa tctcaagtng gcatttngaa 240  
 agtttagttt tcccttttct aacctctaaa agatgatatg atttttaatg caatcataca 300  
 caactgtttt cacattgggg aatantcacg 330

<210> 368  
 <211> 419  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. H81413

<220>  
 <221> unsure  
 <222> (1)..(419)  
 <223> n = a or c or g or t

<400> 368  
 ngagccagaa aaggattttt tttaattcaa gtaactgaaa taggaaacca gagggggagc 60  
 cccaggctgg gataaatcat ggctaccctt cccaacaga acagggggag gaggtggccc 120  
 ctacacccat tatggtcgat tcggggcccc ttgctcactc tgctgcagca tcctagaggc 180  
 agggcccccac cttccctggg actggggtag tcggtcaccc agcctgcatt gccccagccc 240  
 ctnttcccca caaagagtat cttgggggag ggnttcgtgg ggcagaacag gagggcaatg 300  
 agggatgaac attgctcaaa ctcctttcaa aggggcacct gaccgcacag gggaggntgg 360  
 gcaggaaggg caagggntgg gggatgccgt ntaaggaggg cggangcagg canttttgg 419

<210> 369  
 <211> 386  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. H83380

<220>  
 <221> unsure  
 <222> (1)..(386)  
 <223> n = a or c or g or t

<400> 369  
 ttaattgcag aaaaatttat taaattggaa aatcttgctt ttttcaatgg cgctggcccc 60  
 gggtcagcgg cgatttttct tgcatcaaga tgggctttgc gtttccgtag tgggcaccag 120  
 tgggtggcctg attgtcagtc ttctcccggc atttttaagg ccaggagacc gaagcgctgc 180  
 ttgtaggcga ataccctaca gagcggtttg gctttttaaa ttactgttat tattttgggc 240  
 agagaacagt cgggtctgggt gcaccccgct ctcgctgcag aagaggctgc gagtccgagg 300  
 tggggctctc cggaaggtg aaattccttc tnggggntna gcgagccccg gccccgcgcg 360  
 gcagtccagc ggccccgggtg ttgttg 386

<210> 370

<211> 335  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H84761

<220>  
<221> unsure  
<222> (1)..(335)  
<223> n = a or c or g or t

<400> 370  
cggcacttta ttagtgggga aacncgcctt ggnctggcag agactgggat caacaggacc 60  
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aggaaacacc ctcatagatg aaaaccccc cgagacagca gcactgcaac tgccaagcag 180  
ccggggtagg aggggcgccc taggcacagc tgggcccttg agacagcagg gcttcgatgt 240  
caggctcgat gtcaatggtc tggaagcggc ggctgtacct gcgtaggggc acaccgtcag 300  
ggaccaccca ggggactttc ttcaaagttc cnggg 335

<210> 371  
<211> 178  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H86112

<220>  
<221> unsure  
<222> (1)..(178)  
<223> n = a or c or g or t

<400> 371  
gcttaatggg gccaaagggg caacacaaag cattgaaaac atcactgggt cacaaaacca 60  
gtcaccttgt taccttctca gttgcatttg tttatttcac aaggcttcat tcacacataa 120  
aancaagata ctantccaat tcangttcat aacgggtata anggtaanca tttgttgg 178

<210> 372  
<211> 287  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H88338

<400> 372  
atgcatgttt aaacatttta tctagaactt gattacaaag taattttaatg aagaaaataa 60  
tctgttataa ttcttataga tgtttattag ttttttagatt taacacacacac acagggctta 120  
taattaaagc aattgactaa tgatctcaca gcctcaaggc tgtatgcaaa cctagattag 180  
aaatactttg gtctctaaaa ataacaaaat ggaccataac attttttttc ttacaagttt 240  
gaagtgggtc aattatgggg gaaacacata cattcctaag gggaaat 287

<210> 373  
<211> 337  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H88798

<220>  
 <221> unsure  
 <222> (1) .. (337)  
 <223> n = a or c or g or t

<400> 373  
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 atacataaat taggaaatac aagtgtccat ctaaattttc tataatttcac ttttttcata 120  
 atattttatta aagggtgttta atatacagtt tctcatctgt catttttgaa gtcctttatt 180  
 gtaaagacaa ttctattgtc tgatgacaaa cagcagccac catgggtatt caggacctcc 240  
 acgttgata aattccattt cttcttgaga cacaagtttc cttctggtat ttctgaggta 300  
 atggntttta ttatttctgg cagtgtctgg tggaccc 337

<210> 374  
 <211> 321  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. H91703

<220>  
 <221> unsure  
 <222> (1) .. (321)  
 <223> n = a or c or g or t

<400> 374  
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 cccgtactcc tcccctggaa gtccaccggc aatgttatcc catttgacac gatttccaac 180  
 ccttcaaccc aaggacaaat aacccagta ggggncaat attaacatca caagcccagn 240  
 aaatgattct tcttataggc tttaaataaa ccaggacttt ttaactttag ggtgaatggg 300  
 tatgctttca acaagtactc t 321

<210> 375  
 <211> 395  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. H94471

<220>  
 <221> unsure  
 <222> (1) .. (395)  
 <223> n = a or c or g or t

<400> 375  
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 cagaaaaaaa atagggaggc tggtagatca tcacatatat agtagctaaa atatgaaagg 120  
 ccagggaatt tattattaat gaagtcataa aacagactta accaaaagtg tgtgctagga 180  
 aacaagcagt ttcacttcag agacttcatt gcaggaaccc agtttcctta tgtggaaaaa 240  
 agtgattata aataacagtt atctgaaagg tggttgagag gattaaatga gatcacctat 300  
 gcaaacaaat acatgtaggt atgaaagacc atccgtcctg ggggtngtgg aaagtttaag 360  
 tttcccncc agaacccttc cctttaaggg cctta 395

<210> 376  
 <211> 373  
 <212> DNA  
 <213> Homo sapiens

<220>  
<223> Genbank Accession No. H94475

<220>  
<221> unsure  
<222> (1)..(373)  
<223> n = a or c or g or t

<400> 376  
tttttgccca ttcattcttt attcaggtgg cataaaaaatc actacaaaaa ccttacaaaa 60  
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ggaagtctgg cgtgacaagg cacagggggg aggatggagg ctgatggact ctcggcaggt 240  
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cgctccccga gccaccacca gggcccgtct ctccccaccc taagcctagg tgtcccggga 360  
caagtccaaa ggc 373

<210> 377  
<211> 417  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H95960

<220>  
<221> unsure  
<222> (1)..(417)  
<223> n = a or c or g or t

<400> 377  
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aagggcagtc tcaaaacccc agctcaaaat acgacactaa catgatgaac atgcatgagc 180  
tttgaaaagt gctctgtagt cttatgatga tctagaagag cactgtccaa tagaactttc 240  
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ggctctcaag cacttgaaat gttgctagtg tgattgggga gctgcgtttt gaatgttaac 360  
naatttanat tttaaactnt taaaaagttt acatgtgggt tagtgggncg ccgtacg 417

<210> 378  
<211> 439  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H97538

<400> 378  
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atggtttaga cccacatcat ggctttcttg tgggaagcct ggatgggact aggaaaacac 180  
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taccataagc tctgcatctc tgggtcttca tttccaaagc agcacttga aaaccaagcc 420  
cagtttcagg caaagagtt 439

<210> 379  
<211> 440  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H98835

<220>  
<221> unsure  
<222> (1)..(440)  
<223> n = a or c or g or t

<400> 379  
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ctaatacctg cgaagtgcac aatgtgtgat gactccaccc tccacccgat ccagaggggtc 180  
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agaatcgatg ggcagcagtg acttcgactg tatcatcaat cttggctgcc acaagggttg 360  
gttgtccagg ccctcagctt ganccttgga ggtggggccc ccacacagag ctttgtctgc 420  
ccccagccca ccctcattta 440

<210> 380  
<211> 495  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H99035

<220>  
<221> unsure  
<222> (1)..(495)  
<223> n = a or c or g or t

<400> 380  
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caactaagcc tttgncaaaa aagtcattta gcacatcttt aaagatcaat aagaaatgga 180  
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<210> 381  
<211> 424  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H99648

<220>  
<221> unsure  
<222> (1)..(424)  
<223> n = a or c or g or t

<400> 381  
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ctacccagag gcaaaatata ttttccaaaa acgtggacac tgccactgc attaatggtta 120  
aagtgtccc tatatatata gacagtaaaa gtaagcaaag aaacttacaa cacattccaa 180  
tctttaatat ctcaaaaatg tttccaaggc aacattatta aaataattat accacagtcc 240

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ctaataataac atcaagctcc agtaggaagg tacagagagg gcaggaagtt tccatccagt 300
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ccat 424

```

```

<210> 382
<211> 438
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. H99694

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<220>
<221> unsure
<222> (1)..(438)
<223> n = a or c or g or t

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<400> 382
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ggaataccaa accacacatt agattgttct gttcccaatt gtgtgccaaa gtgcactctg 180
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agtctgcaaa ataaacctag gactggattg atcctcaggc cacttggcag gtgaatgtct 300
cgggagtcaa tatgagacaa gcttcctgaa aaggcttata tgacttaaag aactttttgt 360
ttaagtgttt ggtcccaaat aaactattaa gatataataa gtaattcact gctcaaaaat 420
taccgtcaga taaatatn 438

```

```

<210> 383
<211> 749
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. J00073

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<400> 383
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acattatagc gaattaatat ctaatggttt ttctgtgaat cctcccaatg tgttatttgc 180
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atgaattaat atgacagtta gcrgggagtt ataatgctaa ctttgattca tatttggaca 720
gaatcatgaa tatattcata tccgaagcg 749

```

```

<210> 384
<211> 1056
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. J00123

```

```

<400> 384
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<210> 385

<211> 1089

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. J00231

<220>

<221> unsure

<222> (1) .. (1089)

<223> n = a or c or g or t

<400> 385

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<210> 386

<211> 2133

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. J03040

<400> 386



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<213> Homo sapiens

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<213> Homo sapiens

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<213> Homo sapiens

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<213> Homo sapiens

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<213> Homo sapiens

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<211> 961

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M20642

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 <212> DNA  
 <213> Homo sapiens

<220>  
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 <211> 676  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. M21494

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 gttccaacca atgggctcca tcctctggat tctggccaat gaaatatctc cctggcaggg 540  
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<220>  
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<210> 419
<211> 229
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. M22406

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caccaccgg cacacagacc ccaacaacga caccatcag caccaccacc acggtgaccc 180
caaccccaac acccaccggc acacagaccc caagatcgac acccatcac 229

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<210> 420
<211> 1568
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. M24069

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accaccacca ccctcccgca ggctccgacg gaggcggccg ccgcggctcc ccaggacccc 300
gcgcccaga gcccggtggg cagcgggtgcg cccagggccg cggccccggc gcccgccgcc 360

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cacgtcgcag	gaaacccccg	tggggacgcg	gcccctgcag	ccacggggcac	cgcggcccgcc	420
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<210> 421

<211> 565

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M26311

<400> 421

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tcattggtggc	cacggccaca	ggccactaat	caggaggcca	ggccaccctg	cctctacca	480
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<210> 422

<211> 213

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M28590

<400> 422

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agcatcggtc	actgctgggtg	tgtcttcccc	aacggcacgg	aggtcccca	caccagaagc	180
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<210> 423

<211> 1045

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M29645

<400> 423

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<210> 424

<211> 1586

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M30894

<400> 424

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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. M33197

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 <211> 1081  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. M33493



<400> 427

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1081

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<211> 1056

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. M33653

<400> 428

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<210> 429

<211> 1238

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. M34338

<400> 429

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<211> 468

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. M34516

<400> 430

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<211> 1060

<212> DNA

<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<220>
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<220>
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<211> 1746

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M92843

<400> 447



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<211> 2075

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. M92934

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<210> 449

<211> 1080

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M94880

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<211> 309

<212> DNA

<213> Homo sapiens

<220>

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 <212> DNA  
 <213> Homo sapiens

<220>  
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<220>  
 <221> unsure  
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 ccgggggggtt cccacctaag ttctnaggag ccggggccgcc acccgngttg gaagctccca 420  
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 <212> DNA  
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<220>  
 <223> Genbank Accession No. N23352

<220>  
 <221> unsure  
 <222> (1) .. (368)  
 <223> n = a or c or g or t

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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N23730

<220>  
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 <222> (1)..(375)  
 <223> n = a or c or g or t

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 <211> 469  
 <212> DNA  
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<220>  
 <223> Genbank Accession No. N24761

<220>  
 <221> unsure  
 <222> (1)..(469)  
 <223> n = a or c or g or t

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<210> 457  
 <211> 454  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N24899

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 <212> DNA  
 <213> Homo sapiens

<220>  
<223> Genbank Accession No. N24902

<220>  
<221> unsure  
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gcacatctga actgggactg ttaacactga tgccaataca gtgtgggggtg ccagaaagtg 300  
tctgctgata tttgtggaaa aaaaatctat tttgtttacc tactgtatca aaggggagtc 360  
tgggggagaa tggtagtatt tttttttttt atcagctgtg aaaaaaatgt tacagatctg 420  
cacattttcg tgtgtactat g 441

<210> 459  
<211> 466  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N26713

<220>  
<221> unsure  
<222> (1)..(466)  
<223> n = a or c or g or t

<400> 459  
tgattattcc agaatatattt attttcccaa agaaggtaa ggatagaatt ttgtagagtt 60  
tttgtttttt taatgcatcc aacacatagg agaattttat tttaaagccc tttttaaaaa 120  
tgaaaattct agttggatcat caattctctt cagagcaaac atcatttatt ctactctata 180  
aaaagaaacc taaacaaatt aagatgacaa gtaagaaaaa cttattctct ttatctcctt 240  
taaaacccaa attttagtgc tgctgggctg gttttcttca aattctcatt attttaccaa 300  
tgaggcactt tataatacaa atgcttaaag tggtgaggga ttctgactcc caaaaacatc 360  
atttgatgat aacaagattt gtactactga cggttgatat acacaattaa atcnttcctc 420  
ctagtggatg atggaaaatn aatgggttga ngtaanaccg gatcca 466

<210> 460  
<211> 221  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N26801

<220>  
<221> unsure  
<222> (1)..(221)  
<223> n = a or c or g or t

<400> 460  
tttttttttc ttgatgcaaa tgttttttatt tgccacttaa actacagttt ccctgtgcta 60  
tcngatgggt gtgggggtgt ggaacaggct gctggaacca tggtttacag tagtagcagg 120  
tagatgatta gtagcatgag tggtgaaatg ctgcatctaa gtgcctgtca ctttgctccc 180  
aggggaatat catgcagccc aggaatagtg ttagactggg a 221

<210> 461





<211> 445  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N26904

<220>  
<221> unsure  
<222> (1) .. (445)  
<223> n = a or c or g or t

<400> 461  
aagtttttta aaatttatta tttattatatt cttttttgctc ttgttttcggt tctcttcctt 60  
gagcttcttt ttggagactt tgggtctatt ggcctttctg tataggtgat acccaatgag 120  
gccaggagg ntcggcacca tggccatccc taccagaggc aaaatgccct tcaccagctt 180  
tanccagtag ttggctcgga ttagtgcaat cagctccacg tcatactgca ccactgcac 240  
cgctgggaca gatggtggaa atccccgttt tccataggcc aagtgagaag gaatgattgc 300  
ccttcgcttc tctcccacac acatgtcgag aagactctgc tccagacctg gaatcacctg 360  
cttttggcca agttctataa ccagagggtc tctggtccag ggagggtgtca ataatacgtc 420  
catctaccaa gcttcccgtg tagtg 445

<210> 462  
<211> 438  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N29568

<400> 462  
ctttatcggt atttgtttgt ttctgttcct tatcttttcc attctctgtc ttctgctctt 60  
ctagatacct ctttgtatag gctgctcctc ctgaagcagc actctcctcc ttctgagatg 120  
agccatatgt ggagccagtg gatggtggac tcttaccac agggctcttt ttggatggac 180  
tcagggaccc agaaccatgg tcgaactgac cttggtgtgt cccagactga taccgggcac 240  
cactcggcag agttgagccc atctgggatg tgctggaaag tggaggacta ggttttggca 300  
cggggctagg acgggggtgac cgccgcctca ccaccacaga ctgggagggg gcttttgaga 360  
gctgggcttc gctcccgagg actcagctca gaaactgctg aggcccgtga tgcagaacca 420  
gtgccgtagg tggcatca 438

<210> 463  
<211> 497  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N30198

<400> 463  
tatttttcat gaaatgattt attactttta gaaaacagta taaacttaca aactataaat 60  
taagatataa gtatatttct gccaaagtaa gtcaagaaaa atgcacttca gaatcagctt 120  
ttattacagg caatgtattg taaactcgaa catccagaat ctgagttaca cttattatatt 180  
ttaacatttt actcaataaa aatctgatat actgggtcca agtgatgaca cattccaaat 240  
taatgtaact ttcttgacgc ttaaataaac aaatttagat caccaagtga aatcaaagcc 300  
aagtgtattt gcacaactca agaattgatgt gaatggatta gaatctctca tagtgcatac 360  
ttcgccattt atacacaaac tttgagagtc ttctgagtga catggtattt aactttgttt 420  
ccaagggcca aataactaaa tgtatagaat atcctactct atactcacta ttaaattgtca 480  
tggaactagg aaatctg 497

<210> 464  
<211> 585

<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N30856

<220>  
<221> unsure  
<222> (1) .. (585)  
<223> n = a or c or g or t

<400> 464  
gattaaaaag agaaaatata ctgtaaaata tttattttaat aaaaataatt ttataatcta 60  
tacagaattg aataaaaagt acaacaaatt attttcactt atttacaaaa ctgcatacag 120  
tacaacttgc acattgagtt cagcattcta taaatatggc cacataccaa gatgtgaaca 180  
tattcttggtc ttatataaga aaaggctcag gttgtatgcc acaaactttg aattaaattc 240  
cagggaaata ttgcttttgt aacatgaaca atttgtacca cattccatta aaaaaagatt 300  
taataaaaatc cctcaaacag cacttttcta cttgtttcgg agtacacaat tcccaaatta 360  
gcacaaacaa aacaaagcaa aaaaagaaaa acagacagaa tgtaaaatgn aggttgctac 420  
ttttatgata tcacttcctt ttcccttcct tagctagtgg tcctttccct tcccctaata 480  
gtaagggtgg gngaattggaa atggcctatt cctatcccca tccatttgcc tccaggatcc 540  
ctgcttaacc naatgnggta tggtcgnctt ggccacctgn cacc 585

<210> 465  
<211> 579  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N32748

<220>  
<221> unsure  
<222> (1) .. (579)  
<223> n = a or c or g or t

<400> 465  
cagcagaaga gtgacctgat tttattcacc ttttattgga aatctgtggg acagaactag 60  
gcaatgaggg tgctacaata ataaagggtga gtgttgaggc tggcttgacc agagcagaag 120  
tgggaaatgaa acagttggat tctgtttgtt ttcaaagaag agctcataga acttactgat 180  
ggnttgttat gtaggatgtg aaagaaaacc acagaaatga ctccaactaa aacagtaaaa 240  
tgccattcac taatttcaag atgatgagag aagctgtttt gcagagataa tgaaagaaat 300  
tctgtttgaa gcctattaaa gtttgaagtg catattaatt ggactttcaa gttgagatgt 360  
caagtaagta gcagggtctc tgagtatgga atacnaggct gtgggcnagt gacttancgt 420  
ctgcaacatc cacatatagg cagcatcncc atagcaacaa acatccngtt ccaaataatc 480  
cgccngattt tcntcctcca cgtccatctt cctcagagtc catcaggggc cnccagnact 540  
ggcnaatcca cncatgngcc cgttacctcc ttctcngca 579

<210> 466  
<211> 355  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N33927

<220>  
<221> unsure  
<222> (1) .. (355)  
<223> n = a or c or g or t

<400> 466  
acaattctcc gcagatttta ttaattataa cttttttttt cagacgtcct gccatcttct 60  
cattcagact tttcttagca aaggtagtcc atggcaagta atgaattccc agtaactagg 120  
tctgtaacag aagtaaattc tgtttttatg tttataaact caaaaagtaa catgaagtgc 180  
aaacaccttt agttccttcc cctcggtaac cttcttttga tgaaccagtg tgcagcaaac 240  
caggatgaag ttggatttgg gtgggatcca cacagggtcat tttcaggcaa gatgagactt 300  
cccaagttcc atgnatagat tcatattatc agttatttta tgcattcatt tctcc 355

<210> 467  
<211> 455  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N34817

<220>  
<221> unsure  
<222> (1)..(455)  
<223> n = a or c or g or t

<400> 467  
aacagggatt tatagcagct ttattcaaaa taactaaaat ttggaagcaa ccaagatgcc 60  
cttcagtaag tgaatggata aactatggta cacacaatag aacataattc agcactaaaa 120  
agaaatgggc tatcttgtcc tcaaaagatg aggaaactta aaagcatatt actaagtaaa 180  
agaaggcagt ctgaaaaggc tacttactat ataactgcaa ctatgtaaca tgcgaaatga 240  
tgagatgggt ttgcaggggt aaggggatga tatgtaataa acaggaagag cagggatgac 300  
ttttagaaca aagtgttctg tgaggtacta taaggctggg atacatgtca ttatacattt 360  
actccaaacc cataagcatg taaaaccncc aagagttaac ccctaattgt aaacctatgg 420  
gcccttggga ccacctatgg atggcnccaa tggtg 455

<210> 468  
<211> 412  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N36001

<220>  
<221> unsure  
<222> (1)..(412)  
<223> n = a or c or g or t

<400> 468  
attagtgaat tagtttattt aaaaccatca gtttttccaa tgtgaatgga ctggttcata 60  
tcacaccata tttagagata caaggtagt ataactaacg tgtctacaag acatactggg 120  
tcaaacaatg tgatcaatcc aaagggtatc ttttttaaaa gaatttaagt actcagctgc 180  
aaagataagt tactaatga gatcttcttt tttttttttt taaaaaaaaa aggtttttta 240  
tgagtcaaatt ttattacaaa aacttagtgt gtaatcaaag ccaaatacat tcctcaggca 300  
tgccagcgga acgcaaaaata atgttaatag aatgttatta aaaaataaaa ctttttctga 360  
atgatataata taanacctca tggcacatta tcctcatttg gacaacngga aa 412

<210> 469  
<211> 430  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N39415

<400> 469  
cagagaataa catttatttt atttggaaag ttttcctaaa tatgagacta tctgctattt 60  
ctcagactaa gtgaaaaatt taataaaata gctgccttga taggaggaaa acaaagttct 120  
tactttataa ggaataacgt atgaatcata aaagaagaat gagcgatcat gggaaacatt 180  
tagcttttca aagtttttgg aacatgtacc ttaaattgctt ttgggatcca gtaaaggcca 240  
ggaaaggcaa agagttgaaa gtttcttgga tttatcctcg tacttacatc attagtaata 300  
ggaataatgc atctcaaatt tggggcattt atataaaaac atgattttta aatggtagtc 360  
tagtataaac taggattttg taatgctgtt taaatatttt catattactt tgtttcgaac 420  
gtagacattc 430

<210> 470

<211> 443

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N40141

<400> 470  
gctgactcaa gttcttcagt tcacgatctt ctagttgcag cgatgagtgc acgagtgaga 60  
tcaagatcca gaggaagagg agatggtcag gaggctcccg atgtgggtgc attcgtggct 120  
cccgggtgaat ctcagcaaga ggaaccacca actgacaatc aggatattga acctggacaa 180  
gagagagaag gaacacctcc gatcgaagaa cgtaaagtag aaggtgattg ccaggaaatg 240  
gatctggaaa agactcggag tgagcgtgga gatggctctg atgtaaaaga gaagactcca 300  
cctaataccta agcatgctaa gactaaagaa gcaggagatg ggcagccata agttaaaaag 360  
aagacaagct gaagctacac acatggctga tgtcacattg aaaatgtgac ttgaaaattt 420  
tgaaaattct ctccaataaa gtt 443

<210> 471

<211> 513

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N47686

<220>

<221> unsure

<222> (1) .. (513)

<223> n = a or c or g or t

<400> 471  
gggtttatgg ggtttaattt ttaatactgt taacatcatc gagccagcta aacaccaaga 60  
atatcaataa atactaatag tttgttttca cttcctcctt ctgttggagc actttgactt 120  
tatatacatt ccagtcttag tgccaaggcc ccattggggtt tcaaattcca taccagagca 180  
catcacctgg atgtgactct catatgctca aggatattcc tggagttgaa aggaaataca 240  
aaatgagcat aagaacagat tacagacgcg tcagtatgaa agttgatact cgtgaaaaac 300  
agcagtttgc tgagaccctg gaagttagct ggagcagtcg ggcagaaatg actcgtgacc 360  
atggctgcaa atggggcttg ttctcacaaa gggctttcca ccattctttt cttgggcttg 420  
caggtagaag atgcgggttt cttcaggata agtaacttta ctgaggggca tcttgtagat 480  
gttggaattt tttgtggtca tgatgaggaa cnt 513

<210> 472

<211> 442

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N48056

<400> 472

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atataatatt caacttttatt tcaaataatac caatttttaaa atttatcaat ataccatta 60
cgattctttc tgagtacat accacacaaa ttcaatacgg attctctaaa gaatcctctt 120
aggctacttc actcaaagtc tctgcagctg cctgcactgt gaaggctgca acataaatct 180
gtctcttcac ttctccccag gccttggaag ggtccacttt gctttcaata tcaaacagag 240
catcataaat tcctgggaat gactcccctg cataacttgt gtggctgctt ggagcataga 300
tgacatgcct ataaaaaggc ctgtctggta accctaattg atcaataaat gctctttcca 360
gaaacatgag ttgatcattc atcattctta atactattgg gttgcttttg gtcaaagtcc 420
tggagtctct cactgaactt gg                                     442

```

<210> 473

<211> 475

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N49899

<400> 473

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ttccaacaac atttggttta taaaggaata caaacaggca caaaacatgg ttcagaagat 60
ttattaagta aacttgctaa aatatggaca gatacactta gcagtcaaac agttgaatat 120
taattgctac ctcatataag tttttgtatc tgtattacca ggtccaaaca taaaaaccac 180
ctctgttcaa aaaataaatg ttcagagagc tgtatgttct ttgttcttgt atgtacattt 240
taaaaaaaca cctctttcca gtcttgctaa ccaagaatat tagtcatata aaagaactta 300
gaattttttt cccaagtac aagctatctt ttggctccaa aacagttctg aaggttttat 360
ttatatttta tcttatcccg agggaccaac agcaggggcat acctttggcc aggccttctt 420
ggcagaaaga cacagagccg taaaggga aaataaaatt gccataaagg tatag          475

```

<210> 474

<211> 474

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N51529

<220>

<221> unsure

<222> (1) .. (474)

<223> n = a or c or g or t

<400> 474

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gcaaaaaata aatataaaat ttattaaaac acccacaata ttttaaagat accaggagta 60
atacagttca caaaccagtg tgtttggtga aattataata aaatacaaat caaaaaggat 120
acatacttgc aatttctagg caccctaaat taaatttact gaaacactga gggagaaggg 180
agggtaagga ggggtagctc aggaggcaaa ccaataaagt ggaaggaaaa aatattaaca 240
aaaaggtaaa aattatacaa aataaaatta tcagcgtaaa tttactgtac taagaatata 300
tacagtttaa tacacatcct attgcccttg agacatttgc aaaaatctac cattcatcca 360
tcaaccccag attaaacttc attttcaagt agccccagtt ttaccaagtc nagacnggaa 420
tatttccagt atgggttggt aagttcacct ccantgggag gccagttac ccaa          474

```

<210> 475

<211> 507

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N52254

<220>

<221> unsure

<222> (1) .. (507)

<223> n = a or c or g or t

<400> 475

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tttctattaa tctttattta tatgatgggt ctctggaaag cacttcattt taaaacctgt 60
ttctgagata agtagcataa ggcgcatctt aagaaatact attgttgtat cacagagaac 120
ttccatgcct tgaaatcatt tttttcagag tattattaat aagatgggtc agctatgcag 180
agcaaaaaag aaaaaaaatc ttcaaaagcc aagactgtca ggcacatgaa ggtatgcata 240
aactgtcttc acatttaatt ttgtatgatt cgggagatac ctccatgtac atctaaccag 300
gtcaggcagc ataagtcctc agtaaccctg ggggtgtgccg gcttcaagcc aaagtattct 360
gttgagtttg gtttgtggag agacatttga aatgttgctt catagcttcc attttctgga 420
gaagtggag aaatgaagcg tnaaaaggcc taggaaatcc tcgtcttctc caggctcttc 480
ttctccttct gcagnttcct cctcctc 507
```

<210> 476

<211> 166

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N53359

<400> 476

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catctaaaag tgggtttttta atatatatat tttttccaaa ggaagaaatt tcttgctttt 60
actcagggaa aaaaaaaaaa ttaaggtaca tttgagtaga atgatttcat ctaaaagagt 120
tctttcagga gacatctgtg attcactgca ttgtttttat tttctt 166
```

<210> 477

<211> 380

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N53447

<400> 477

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gtatagagta aaatttatta tagggttgta gaattcatac aacctaaact ccttacagca 60
ttcagcacct acacaatttt gtgcattcca aatacagata gtagtgagaa agaactactg 120
cattagttta aaatgactgt ctcatgaaaa ttcgttcaca tataagtcag gttaattaca 180
gagcacctaa cagaactgca aagatgtaat ttctaaattc aagaaagttg tacaaaatga 240
aaaacaaaag aaaccaacaa tgttgagatc tgatatattt tacacaaaaa gttcaaaaac 300
aattttaaatt atttcaaatt ttaaaattgc tccaccataa gatgaataaa gagcttactt 360
aaaggaaaag aaaaaaggaa 380
```

<210> 478

<211> 400

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N55502

<400> 478

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ctgtgaataa aacttttaatt aatgtacagc agaaattgga caggctcatt cttatattaa 60
aacaaaagat ttcctatatt acaatttatt tacatttgca tactgaagag gttaaagtgtc 120
taagtggcta ttttacagtc ctttctaata aaatgtacaa aaacaaacag aagtaccgag 180
aatgccgttc gggggccttt atggcgacgt aagaacgggc ttggacttgg tctgtgaatc 240
cagaatccag aggtgcagggt agcactactg gatcagggtt agcctcgggg ggccaaaaac 300
acggcttcag tttctcccca actctcactt agtggttaaga gtggcagagg tgggtgtggg 360
agcttcccaa agacctgctc catcttcccc agaggtggaa 400
```

<210> 479



<211> 430  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. N57577

<400> 479

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ttccctcagg tggtttaaagg ccaccaaaca aatactgggc aacagggggt tgttgggaga 60
gtagaaaata aaaaattaac caaatTTTgt cctgtgttta attcaatgcc agcaaggagg 120
caagtactga agaagaaaag ggacaatttt cataactaaa aagaattcct ctaatcatgt 180
caccatctca tataatgaat ccagggaatc ccagaaatag aaaattagtt tcaggggacc 240
cctgaggcac tttaaagcct tttaaaaaat tacagtaata ataaattaga tattgctctt 300
cagaggctaa cagagcagca gaagcatcaa gatcagggtc aaagagttat gcccacattt 360
acaggcttcc tggagctgct cagccctctt ttaaagctta gttgaatcct ttaaaatacc 420
ctttaaaaag                                     430
```

<210> 480

<211> 369

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N58172

<400> 480

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cctgaccgta ctctcaaaaa tccagattgt ttgtgcatac atttaaaaaa aaaatcaatg 60
gaaatttcca cctttgttcg aacacataaa gtatgccatg agcaatataa catcacaac 120
gtactgtgac aaaccattaa taaagaagga ttactaagcc aggtgtggtg gtgcatgcct 180
gtagcccagc tatgcaggag gctgaggcag gaggatcact tgagcccggg agtttgagtc 240
caccctgggt aacacaccaa ggactccatc tctaaaaaat taaaattaaa aggattactg 300
aaagatctca tttctaaaaa aagaaaaaag aaaaagatca ctggaagtcc agacatgata 360
tttttaatt                                     369
```

<210> 481

<211> 445

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N59532

<400> 481

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ggcaagtaag aaggaagttt aatttttttt tcaggattca gtggagtcca ttaatgcata 60
ccaggggcaa agatcagccc agggtaaggc aagtctggga ggaagcccac cctgccctac 120
agcagccctg gaactcagaa taggtggtga gtctgccatg gtttgctact gggcagcaca 180
ctagaccaac ttgggaatgt ggaagagtga gtctatgttc cctcagccat cccaagttt 240
acacacaggc atagcagccc tactgtgagt cagcaatcat tcctgacttg cagtaaggac 300
aatttgcatt tacggaaagc aaactggagg gggtagccta agtccgcact gcccatgtta 360
ttaccctttg caatgtgaaa aaccatgggt aggtagggtg ggcagggttt atcctctcca 420
caaaggtgag cctttgctcc acagc                                     445
```

<210> 482

<211> 473

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N59831

<220>

<221> unsure  
 <222> (1)..(473)  
 <223> n = a or c or g or t

<400> 482  
 acctataaat atatatttatt cataactttta aatatttttac aattcaaata aaaaccttat 60  
 atgtagacaa tctgggctaa atttccatgt atgttttgaa aaataatgtt agcatgaata 120  
 gattcatatt taaatatgat tttaaatact cttaatagag gagacataag aaatattttac 180  
 ataaaagcta agtagcatga tacagctcat gggtatttttc ctcataggaa aacaattact 240  
 tgattttttt tttttgcata ggattaagac tgagtatctt ttctacattc ttttaacttt 300  
 ctaaggggca cttctcaaaa cacagaccag gtagcaaata tccactggcn ctaaggntct 360  
 caccaccact tttctcacac cnaagcaata ggtaggnatc caggncaccac cttctgaggg 420  
 nccggaagga atgggttccg gaaaataatg gnttttaaaa nattaccatt aag 473

<210> 483  
 <211> 441  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N59866

<400> 483  
 gttttttttt tttttttaat acaaaattta ttttatttct atgtactaac aatgaacaat 60  
 gggaggtatt tacaattaca gtcaaaacca taaaacactt agaattttac aaacttcaag 120  
 acctacacac tgaaaactat aaaacatttc cgagaagtca aagactaaat aaatggaaga 180  
 tgatactatg ttcattcaatt agagtactta atatgttatt aattctcact aaattgattt 240  
 atagattcca tacaatcctg ctcaaaatcc cagcaggctt tattctgggg aaatattgac 300  
 aacctaatc caaatgttat agggaaatgc aaaggaccta gaacagccaa aacaacttga 360  
 taaaaggaca aaattgaaat ccttaaattt gactcccata tttccaacaa atctacagta 420  
 attaagacaa tggatatagg g 441

<210> 484  
 <211> 419  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N63047

<220>  
 <221> unsure  
 <222> (1)..(419)  
 <223> n = a or c or g or t

<400> 484  
 nttattttta ataaatattt taattctatt gttgacattt acaagtagaa agcatacagt 60  
 atgttacaaa tatcaaaatg agaaaaatat gaatgttaca taagtaacaa atataaaaaa 120  
 agtattttct taccttccct gaaagtaaga aaactattca gcataggaaa atatcagtat 180  
 caaaaacaca gcttaggtgt aaaaaaagtt tttacacagt atttaaaaaa aatgatctac 240  
 aaaatgacaa agtaagtgtt gaaatctgat ttcataataa ttataaaaaac tgggtactta 300  
 gagtaaattg tatctgggtg gaaaataagt ccaatcataa gctttcctta ggtcaattct 360  
 ttaaaatatt aaaagcatat cgaaaaattt tccaataaat aaccttnaag aggggttcc 419

<210> 485  
 <211> 189  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N63536

<220>  
 <221> unsure  
 <222> (1)..(189)  
 <223> n = a or c or g or t

<400> 485  
 nagcaagcaa aaaactacct ttatatatga tgttattcaa atacatggat aagataacac 60  
 attttatgat gtaaaaagta atatttataaa attaaaaggc aagtctttct ggtattcaga 120  
 agtctgaagc aaccactgtc cagctcttta aaaagagcac attccattct ggtggcacac 180  
 aaatgtaca 189

<210> 486  
 <211> 523  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N64683

<220>  
 <221> unsure  
 <222> (1)..(523)  
 <223> n = a or c or g or t

<400> 486  
 acaacttttt taatatatat ttttataaac aggtcacgtg ataaaatagc acaagaaaca 60  
 cttaccaaata ataaggttat atcttccgca tatacaggag aatgaggctg ttatgtacaa 120  
 taagaaaatg attttagggg ttggttggtt ttgttttctt ctctcccctt aatttttctt 180  
 cctacagtcg ttggaaatat cacagcttca gttgcattaa tactttgggc aaatggacag 240  
 ctgcccctcc ccactagggg tctgtgggga ggaggggctg gagaaactgg ctcttgacca 300  
 ctcagccctg gagcttcctg gggctggcac tccagggaca ggaaaatctt tgggctgttg 360  
 atctgtttct gattcaacag catctctctc tctctttnc cttctctctn cagtctcatt 420  
 ctctctctca ctctctggct ctctgggaaa cgggtactct cttccaacca gatagggagt 480  
 gtcccaagat tgggtgtggg gcgcgggtatc tcctggggnc ttt 523

<210> 487  
 <211> 401  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N66802

<220>  
 <221> unsure  
 <222> (1)..(401)  
 <223> n = a or c or g or t

<400> 487  
 ttttttttca ggccaaacta aagctttatg ctataaaaac aagaaataaa ataaggagat 60  
 ttataggccg gctgattgtc agcaaacaca atatatttac tgtattagca tttgctcaca 120  
 gtgcaaattg tacaacatta caccatttca atatttcggt ttttaaaaat gctgttttca 180  
 ttaactatat tatattggca ttacaatatg acaaaggagc aaatgaaatg ttggtgaaga 240  
 atttcacctt ttcacaatat caagcatatt tttttaacct tagtataagg tactataaat 300  
 ccaagaaata aaaacatcca caaaatatat tacatctngg tttgtctttt ttctaagtac 360  
 tcaactttat acaaaagtct ttcaaaaaat atcatttccc c 401

<210> 488  
 <211> 451  
 <212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N67041

<400> 488

```
aacatttcat ggaaaacttt ttattggttt tctggataga aacaggaatt tatttgccag 60
gaagaatgat cccatcatac ttcagctaga accagtgatg aggatgattc agtcttaaaa 120
aagaaggaaa tccagtcata agctacagca tgtatgaatg ttaagtgaag tacgccagtc 180
acaaaagaca aatactgtgt aggtatccaa agtaatcaaa ctcatagaaa cagaaagtag 240
aatacttgct gccaggggtt gcaaggacca ggaaatggag agctgttatt caatgggtat 300
agtttcagtc aagtaaaata aaagaagttg tacaacaatg tatatatggt taacaatact 360
gtattgtaca gttaaaaatt aagataaact tggatactta tttttaatgg acaattttta 420
aaaataggtg tgggtaacaa tttccaatgg g 451
```

<210> 489

<211> 231

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N67575

<400> 489

```
tctattttaga tcggatttta ttttgcaata tttattatat attcaattca aatgtactca 60
ctattgtgct aggcaattga aagtaaaaag tataaagctg cattttgcgc tctcagtgag 120
gtttaagtca gggaaatgag gcatgcacac aaaataacga gaaagtagta taatagctgt 180
gatcattagt tatcaaaata agtgaatgag ctaataatca ttgttagaat a 231
```

<210> 490

<211> 334

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N67815

<220>

<221> unsure

<222> (1)..(334)

<223> n = a or c or g or t

<400> 490

```
tttttttttt ttgtaaagac ttttaagaga aagaagtatt ttaaaaagta gcagtgctct 60
gaggctcagg gtgtaggatc gggggcacag ctggtcccgg gagggccctt gtgcacaggt 120
ggtggcccag ggcnangtgc tcgctcttgg gggacgcgcg gccggggggac ngccatcgtn 180
tccggcccgg ggctcccggc gggctcccggc ggcagggaca atggcgaggc cgctcaccac 240
ttnaggaana ccatcccggc caggacggtn tagcccagca ccaggaagag gaccttnagc 300
anacggtcac tcttctcctc canctccttg gcc 334
```

<210> 491

<211> 478

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N67876

<220>

<221> unsure

<222> (1)..(478)

<223> n = a or c or g or t

<400> 491

```
agtcaagtac tttctttaaag aaacaatagc accacattgg catagctggg ccaaacaata 60
aatgggaaag caaaatgtgc tacatctttt attctaagcc ttctcccaag tgcataaaat 120
agtaacagaa accctggagc cacagagcat gagatcgggt tcatctacac aaacattgac 180
gttccaagga gaggaaggat tctcaagggt ggacaggctt tttgtttgtt tgtttgtttt 240
ttaataaaaat tttcaaggaa gtgatttctt ttcagtattc cattggatcc ttagggtgaa 300
tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tctgtgtatg taggggtgggt 360
gttaagagat tttcatatcc ctaagaaaga gtggattcng atggagagct gcattaactt 420
tttcagggga actgcctcat cttaaaaagt ncaaattctcg tgccgaattc ctgcagcc 478
```

<210> 492

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N68350

<400> 492

```
accggctaaa agctttaatc cagagcctgc cctactctga tagtaccaga gtggagggca 60
gaataccaaa tgtccaggaa ccaaaggcag ggctgtgggg acctgaagag cagcacagtg 120
gggcccgtgc tgctgtgggg gaaactgagg ctgggagctc agcagagacc ggtgtcaaga 180
gtctctggga actgcatagg cctgagggaac atgcattttc aagttgtcca ttgatggttt 240
cgtacctgaa tttctcacct tttgtgaaca tcttgggagg gtggggggtt tgcaggggtg 300
ttaaaagcaa ggcttgggag cccctttcct ccagctgggtg gctccttctc agggcctggc 360
ctcattcagg ccactttgta gagaaatgcc ctgacctcgc aggaaggatt tcccc 415
```

<210> 493

<211> 285

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N69207

<400> 493

```
tttctttatt atacttttat tgtttgttta attcattttt gtctgttaca aataaatttc 60
aaactagaga gtcacagatg ttaataaact cgcccaatgc atcacctgcc tccgaattcc 120
atagtttcca ctgccttgcg ctacttgcat tctgattaga gaatggtaat gtgtgcctct 180
ctgaatcaag ttcaagaata aatgccctat cctggctaac acggtgaaac cccgtctcta 240
ctaaaaatac aaaaaattag ccgggcgcgc atggcgggcg cctgc 285
```

<210> 494

<211> 293

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N69222

<220>

<221> unsure

<222> (1) .. (284)

<223> n = a or c or g or t

<400> 494

```
ttttatgagc aagcgtgggt tatttcataa atgcaagggt agcttaacat tgaaaactta 60
atctaattta taattatgta aatgaaagaa taaaaataat atgatcacgt taatatattac 120
agaaactgca tttaataaaa ttcaacattc attcatgatt taaacaataa aagaaaactc 180
```

```

ttaacaaata agaatagaag anaccttcaa cagtctgact ttaaaaagag aaagccccag 240
aaagcctatg naaacatttt acttaatggg aagataaagt ttttttctaa aaa          293

<210> 495
<211> 320
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N72253

<220>
<221> unsure
<222> (1)..(320)
<223> n = a or c or g or t

<400> 495
ccttttttctt aaggaatcca ttcattgttg aagcccagat tccctaacat atgcactagt 60
ggttggtctt gggaagtaac agtcaccaga gtctggaagt tcttcgcttg aactttgagt 120
agccactggt actattggaa gccagatggc canggtattg gnaaatgggc aaggggaaat 180
cccaagctgg gctcaagagc cgtgggttag ggaagaagaa ggtcaagtgg actggtaaaa 240
attctacttc aactgccctt attcatagat acaactttcc taacagtctc actctccacc 300
agtcccatat ccacaaccca                                320

<210> 496
<211> 465
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N74291

<220>
<221> unsure
<222> (1)..(465)
<223> n = a or c or g or t

<400> 496
agagaataaaa acttggattt attcagaccg tatgcttccc atttgggggtg cagagtgggg 60
gacagtcatg gggacagaga aaggcagtgc atttggcttc tagggacatg ctgattgctg 120
actctttggg tgacctttgg gccaccagat gaccagctga atgatggaga tggatgatgaa 180
ggggctggcg gccaggctct tctggagacc tcacagtgat tccaaacaga gaccaacgct 240
gtgtccagtt ggctctgttc ctctccaggg attaaggagc agatggctgg gaacactcag 300
actaattaaa gaaataaaaa ctctgggtag agggacactc tggggggctc caattcaggc 360
agtgggtgtg aaattcacac atgtcgatgc gtgggccagg cccgtgtgaa aaacatgtgt 420
gtgtcngtat atattacatc ctccacaagc anctgggagc cccca                                465

<210> 497
<211> 212
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N75870

<400> 497
tcagcactga tggaaaatac cagtgttggg ttttttttta gttgccaaaca gttgtatgtt 60
tgctgattat ttatgacctg aactgattat ttatgacctg aaataatata tttcttcttc 120
taagaagaca ttttgttaca taaggatgac ttttttatac aatggaataa attatggcat 180
ttctattgaa aaaaaaaaaa aaaaaaaaaa aa                                212

```



<210> 498  
<211> 229  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N75960

<400> 498  
ttaaattaat agatcaaaag ctgctcgcat tacagagaca accaatagta tgaaaaaacc 60  
agcatgctat caccaaaatc caaactaaga aaaactctac aaggtaaaca acacaacttc 120  
ttcaacaaat atattgtaag agggcagaga gatgctgatg aaccaatagg tgagtgaacc 180  
ccaaacctgc agcttcagat cacctgggaa tttggtagag atgcaattt 229

<210> 499  
<211> 440  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N78630

<220>  
<221> unsure  
<222> (1)..(440)  
<223> n = a or c or g or t

<400> 499  
gtttattaaa ccagatttat tctccacaag ctgaagatac ctgagggttac atgaggactg 60  
gcattaaata atttataaat gtatttttga ctgacagact tttatcataa ggattcatgt 120  
gtttacaaaa gcaaaatcca acctctccag agctagaaag tgggaagggtg cccgggctgc 180  
aacacagcct tgggggagga tgaggccaca taattctctc tgcccacact ctcagaatgc 240  
cccaagaagt tagtagctac acaaagccaa gccttgggggg aaaacctggt ccgtaggtgtg 300  
gactctccaa aatgcagacc caaccggang ccgggcccgc ctttccatct ggaggcactg 360  
cagggcttct gaaagcggcc catcccagga gcctggcaaa cacccccaga gaccctcagg 420  
atgcgcagcc ccggggcttt 440

<210> 500  
<211> 144  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N79070

<400> 500  
catttcttat aaatttatta cataataata ttataataat tattatcaat aataataata 60  
taagaaacat agatctctgt ggggcgtatc acaacgtcag gggtcaggagg cctcaggact 120  
ggagcagggg gtgaaacccc ggga 144

<210> 501  
<211> 446  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N79778

<400> 501  
atgtagaaa attttaatat atgatttttg tagggccaat acatagtaaa gacatagctt 60  
tatttcaatt gaaccgaata aatgatgta tttcagtaaa ttaaggcaaa ggagatagat 120

```

gctatgacca gtggtgcaaa atttttcaaa aatttataca ttagatttac ctttacaagg 180
ttatagtcaa gaataattaa tttgtatttt aagcaaactc tactgctttt caaaaaatgt 240
cttaatcttg agtgaggaat agtgaaggta atcttaatat actgtttaac tttaaaaaat 300
aatttttagaa ttatagaaaa gtttcaaaaa gagtatagaa tttatgcaca cccttctgcc 360
agctttcctt aatgttaaca atgtacataa ccataatatg attttccaaa accaggaaat 420
taacattaca gtagtgtttt aattttt 446

```

<210> 502  
 <211> 409  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N80129

<220>  
 <221> unsure  
 <222> (1)..(409)  
 <223> n = a or c or g or t

```

<400> 502
agtctagatg aatttattgc cattcacata tttcatagaa aaaaagatgt agcaaacggg 60
tcagggttgt acaaaaaaaaa aaaaaaatcc aggtttatat aggttgctct atttacatct 120
gagagcacag ctgtcctggc atcaggcaca gcagctgcac ttgtctgacg tccctttgca 180
gatgcagccc tgggcacact tggcacagcc cacaggnang caggagcag cagctcttct 240
tgcaggaggt gcatttgcac tctttgcatt tgcaggagcc ggcacaggca caggagccaa 300
caggcgangc aggagcagtt ggggtccatt tgcaggcaag gagaagcagg agttcccgat 360
tcaagaggaa aacacgcagc gggacagatt ctctgtgccga attcttggc 409

```

<210> 503  
 <211> 406  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N80152

```

<400> 503
acctctgtca atgattcttt tgagaaaagc acccataatt tgctacttga ggatttttatt 60
ccctggattc tctggatgct cattgcatga aaagtggaaa agtttagatc tatggaaaca 120
gaactgtttg ctatatcgga aaatcagtgc cttgtggaat acaggtaaga acagtgttgc 180
tcttgaaaaa gtggacagtg ggtggtctga atgtgtcctg gtccctggag tgggttttta 240
gattgatgtg gactcttctt agacttgtaa gtaaaaaagt tgtttcttcc cctaaaaggg 300
aactcgtgcg ccttagacct gggaatttgc tgggaaactg aaacattctg tagactttac 360
ttgtttccaa ctgtatcgca gcaagaagtc tatgtgcccc aggatc 406

```

<210> 504  
 <211> 508  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N91461

<220>  
 <221> unsure  
 <222> (1)..(508)  
 <223> n = a or c or g or t

```

<400> 504
ctttacattg tctaataagac ttgtttatta ttttaagctg gtaaaaagag acttatgatt 60

```

```

catgttgaag aaagagttat ttgtgcttga tacattgaag acactgttca aaagcagttt 120
gtccttataa aaggatgacc cctgtagtat ttcttaggca aggagggaca aattcaacca 180
acgaaaagca catctcgccc cgagttcccc atgatttctc cacatatagc aaaaaaatac 240
acatcagtaa tttatttgaa catgcacatc agtgagtagg cancagttct ncggcgggcta 300
ctcaagacaa caanngggag aatatcagca ttacctaaat aaaaaagaga ggtgaatcac 360
accattttta ttgtctttaa aacacggata agaagagcaa ttaaaatata gtcctaaaca 420
gtactagcta atgtagatta cntaagtata ccatatgatt ccactaatag tgctctgaca 480
agcataaccn ccagttctag ttaaccag 508

```

<210> 505

<211> 154

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N91887

<220>

<221> unsure

<222> (1)..(154)

<223> n = a or c or g or t

<400> 505

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atatattatta ttttattgct acattggaag tgaaaataaa ctgtaagaag ctgccaaagg 60
atgcaacttc atgaagatta tgaaactatt gaggcaccca ttgtagaaag ttaaaattgg 120
cttatcctgc atgaggtgga agcnaaggcc tccc 154

```

<210> 506

<211> 169

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N91971

<400> 506

```

gttttgaaca cagatcactt tattggcatg gctttgtttt aagaaaagga aaagtgacaa 60
agccaagaga cagactctgc taacagatgc ctgggggttg ctggacattt ttgcctcatg 120
ctgtgcaaag aggggggatcc tggccacac atcctgctga ttccttggg 169

```

<210> 507

<211> 139

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N91973

<400> 507

```

tttttttttt tttttttttt atggggcagc ggggggtctt attcgtcaga ttttccttct 60
tggcctactc cccaggtgtg gccagggata gtccatacag tgtggctact gcaaggtcag 120
gatggccagc agaccagc 139

```

<210> 508

<211> 395

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N92239

<220>  
 <221> unsure  
 <222> (1)..(395)  
 <223> n = a or c or g or t

<400> 508  
 tcagaaaact aaagcagcac ctttatttta tacatacaaa cagtataaaa tgtttatttag 60  
 gtaagagctg tgttttgttt acaatatatt atattgcttc aagccaatgc aaaaagttca 120  
 tacattatat tccctatttc attgtgttta gaatatatta tattgtttaa atgccantac 180  
 cacagtgtaa tttttttttt tttaatactg aatctctgga ataatggtaa ggtcaaaaata 240  
 tattgtattg agagttttaa aattaagagc aattttttaa aatgtaacaa acatctaaat 300  
 atctgacaat aaaatctgaa atgctgtaac ttcaacatta actgcaccat ccaaattctt 360  
 gtgacttacg cattttgccc catttaacct ttctg 395

<210> 509  
 <211> 510  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N92502

<220>  
 <221> unsure  
 <222> (1)..(510)  
 <223> n = a or c or g or t

<400> 509  
 ttttttatac aaacaagttt cttttattgt ttccacacat tcataataac tatagaacag 60  
 aaagattggt ttaatttgct gtcctacttc ggtgacctga tgaatacact ggtaacagtc 120  
 cccagtttga gtaagatcag ttgaagccct tactgtataa gtccaaaatt taagaaaaat 180  
 gaatctcacg atgagcttcc tcaggcttcg gccgtgcgtg gaccagtcag cttccgggtg 240  
 tgactggagc agggcttgct gtcttcttca gggtcactct gaaaggggtg tctgggcttg 300  
 gtcttgccct ccaggtttca cgcgctgcag gttttacatg gctgtggtgg atccaggctg 360  
 ggattccttc tacttcacag cggtgggagg gctcagaacg acagctgggg tctttccaca 420  
 gtggacacaa agaggtacgt tccagttctt gatcaaatng atcactgggg agaaaagggtg 480  
 aactggggag aataantaac aggccattta 510

<210> 510  
 <211> 270  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N93798

<220>  
 <221> unsure  
 <222> (1)..(270)  
 <223> n = a or c or g or t

<400> 510  
 cacggctcct gttttattgc cttcgggtgt ccggagcacc tgactgcccc ggggtctaat 60  
 aatttaaggt gccgagaaca ggtcaggaca aggggtcgca aaanaggggc tgggggcagn 120  
 tggttacaaa atataccccc accccacaac aaacaggcta gaggagacca gcctggctgt 180  
 gtcggggangg ggcgggcaga gggcgcccga ccagccttca gagagacaga gccacggcca 240  
 gcgccccaga gggagtggcg gagacaggac 270

<210> 511  
 <211> 399  
 <212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N94303

<220>

<221> unsure

<222> (1)..(399)

<223> n = a or c or g or t

<400> 511

```
tttttttagca agacaagggtg tttttattga ggtctcagga attgcaattt gggagacaga 60
ttcagctaga agccacttgt gttctgaaga gagagggtag aggaggggtt tttaaaaaaa 120
gctgagggtg attagacaag ttgacaagtt gttttgaaag aggcaactgg cttagtacaa 180
aaatccatag ttatttggtt ggtgctggtg aggagttgta gtgctggtga aataaaattt 240
tccaggatgc agtggtcac gcaatttggc ccaattcaaa ggttcaaggt aagctcctgt 300
attgtttttt tttttggagc ttttaatttt ttttcaagtt gcagggtcat tagggagtcc 360
nttttaagaa tggcttcctc cctccaattt agagttcct 399
```

<210> 512

<211> 508

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N94424

<220>

<221> unsure

<222> (1)..(508)

<223> n = a or c or g or t

<400> 512

```
tttttttttt ttattattta gaaatgtaaa catttattta aaagtaggta gcaagttaaa 60
aatgaatact tgcctgaaat cataaaacat aatcaagttc tttttaaaac agttaatttt 120
tttcctataa tttactttca tcgaaagtat attatctttg ttttaacatgc tagatagaag 180
caatttagca acataaaata tattagctat agtatgttca aaagaatgag aaatataaat 240
tcagagatga gaccatcatt ttttgcagtt aaaaaaaaa atgttgattc tgggtgcaaca 300
tacactgatt atccaggttt tacatttttag ggctgaaacc ctgaggaacc tgctggtgac 360
tgttttagcac tngagcagag ttcagtgtgg catgcgcttc ccagagttaa aagcnaaagc 420
agactggaga aacnaaaaac ccacatcctt ggcatttcng aggttttcac ctggtaatcn 480
tagggtttcc ccaatttatt agaattgtt 508
```

<210> 513

<211> 462

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N95495

<220>

<221> unsure

<222> (1)..(462)

<223> n = a or c or g or t

<400> 513

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tttttgccaa acattagagt ttgtttttatt gcatgacgtt tgcataagaa aaaaagttat 60
tgaaaactgt aaggcatcat gcaatcattg aataagctaa ttattaactg tacacttaag 120
ataggtggac atataatcta aaatttaaaa actagttcca gaaaagtaca taaaaaattt 180
aacatgatga gctttttaaat atggttttata gtttcatggt gttaaaaagt gcttcaaagt 240
```

tactgctgga aagttgctct ttacaaatgg cgctgggggtg atgtcagatt ataaactgta 300  
 aaaaccaagt acttttatgg aattagaaag ctaacattgt gatccccaac ttcttgaacc 360  
 agttttcaat ccccatcaca attaagttga ttaatatata taactaaaaa cactgggtta 420  
 tcccccaaa ggcttggatc cagtagnctg tggccaccaa tc 462

<210> 514  
 <211> 197  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N98485

<400> 514  
 tttttttttt tttttgttat atacatttta ttgaaaaaaa attttacaac aaaatatttt 60  
 ggcaaactgt aaaagtatac ataagtgcac atatatcttc cttttaaaat acaagcaaag 120  
 tgtgagtata cacgggtcata aaaatatctt taaaatatgg tggtagaaaa caaccttgta 180  
 aaaacgttgt attgtcc 197

<210> 515  
 <211> 340  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R00144

<220>  
 <221> unsure  
 <222> (1)..(340)  
 <223> n = a or c or g or t

<400> 515  
 tctaaaatat aattgtttat cccaatgtca ctccaccag gctgcagtga tggcnaaatc 60  
 actgtaacct cgaacacctg gcttcaagca agcctcccct aagcttccca cactgttggg 120  
 attgcaggca tgagccacta ttgtctgagc agtggctctt cctgcaggct ggcttaccct 180  
 ctgcatccca cccatcctgc aggtgaggct gaccatgccc ctagggtcca agagtcaagg 240  
 gtaatgaaca caccatcac ctntcaaaag tgacggctct gtcctcatca atatgaggga 300  
 ntttcctcan ttcttggcat aatcagctca ggggacacaa 340

<210> 516  
 <211> 417  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R01257

<220>  
 <221> unsure  
 <222> (1)..(417)  
 <223> n = a or c or g or t

<400> 516  
 aactattctt gttttatatt ttattatact ggaacagctc gtgtcctctg tctcttgcct 60  
 cgggtgcctgg gtggcttgcg cccacnatct cccccctttt tattaactag aatcgccatc 120  
 gccatcattg cttgttggtg acttcggact tggtttcgga ctcttagag gcattctgcag 180  
 actaaaagga gacaacataa gcataccaat attaatatg ccagtaacaa caatgatcct 240  
 ctgacggggt tgagccattt gaagggatta aaatcagggt aattgtttag ttatgccttc 300  
 aaaaatgtgt gagccaggga actgtgggat aaatggggct tgtgaagcct ccaaagattt 360  
 gctctttaag gttgtggaaa tatcccaagg gttaagggtta tcatccnngg gggttttt 417



<210> 517  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R02003

<220>  
 <221> unsure  
 <222> (1)..(258)  
 <223> n = a or c or g or t

<400> 517  
 tgantntca tagggctcgg cgtgggaaca gagcgcagga gtctgggggtg ctccaccggc 60  
 ggggaggggg cgcgcagtc ctcctggggg gatcgggggt gctaggcagg ggtggtggcg 120  
 caagaagggt ctcgggagcc ggggggtctg gaggtggagg agtctcagca tcttgtttcc 180  
 tgtgctcctt cccagcaggt gcaggccctt ctgcctgggg tccccctctg aaggccctcg 240  
 gtttccccgg cgccaagg 258

<210> 518  
 <211> 294  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R08850

<220>  
 <221> unsure  
 <222> (1)..(294)  
 <223> n = a or c or g or t

<400> 518  
 ttccnaaanc aggcagttaa tgtgctgaca tagtaacaag gtttgaagga ggaacatctc 60  
 atgcacgtgc gtggaaaccc aattgtcatg tgtatgaact acaaaaggat ggggaaaaga 120  
 acacatttcc tcacaacagg antacatgag attagaaaga aaaccggant gaggtagatg 180  
 catgantgca cagacaaggn tatgtgacag gaagctgggt gacattttgc atctgacata 240  
 gcagtacacc tagagagccc aaggaantcc acccccaagt taccagagggc aaga 294

<210> 519  
 <211> 413  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R09379

<220>  
 <221> unsure  
 <222> (1)..(413)  
 <223> n = a or c or g or t

<400> 519  
 ttggnttgag tttggccttt cctactgcag ccagggtgaga gcttaagatg tcagtcccca 60  
 atatcttcac agagtgcctt tatgaccagt ttggagaatt acgatggtaa ggggaagagg 120  
 cagatatgaa gaggaatggg taggggaatt gtcattcata actctgtgct atattacttg 180  
 aggggctaag aaaaatgtat ggtcagtgaac acacagtagt gtacccttaa atgccttata 240  
 aaagaccatc catccagtct gcgcttttga ctgtgtgcaa gtatcagtaa taatgctttt 300  
 ggggggctca gatgaacagc gaacacccaa tcagccaggg gctctgggaa gggaaagctc 360

ccaaaaatga ggaagtcctt tccaacaccc atttttccca ttactgttct cac 413

<210> 520

<211> 319

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R10896

<400> 520

```
ttaagccatc caagtaaaaa aaaaaatttt aatttaacaa tgaaaaagga acttcaaagg 60
gtttatgcc aaaaacaaac cagtcctctg cagcctaact catttgtttt tgggctgcga 120
ccattgtaga gggcgatcag gcagtagatg gtccctccca cagtcagcgc catggtgggc 180
cggtaaagca tttggtcagg caggcctcgt ttcaggtaga cgggcacacc atcagctttc 240
tgaaaaaact tttgtagctc tggaactttg tttttcccag cataatcata ccctgtggga 300
atcggaggtc agtttagtt 319
```

<210> 521

<211> 318

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R11526

<220>

<221> unsure

<222> (1)..(318)

<223> n = a or c or g or t

<400> 521

```
tttantagcg cgaccatttc tttattaaat tatacaaaan ggnnggggag gggggcagct 60
gtgggggctcg gcaanaccn ggccccaccc cggcctggcg ctgtctgaga agaggggatc 120
tgaggggagat ccagggatca ggcaggatag ggatggggca ggacatgagg ctgggggatg 180
cagaggttag gtgggagagg ctaccngaga aggaatgagg ctggtagggg agggagaaag 240
agagcaaaga gagagaggag caattggggg ccagctggag agctcagatg gagcagggtca 300
ggagggtggaa caatggca 318
```

<210> 522

<211> 362

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R15108

<220>

<221> unsure

<222> (1)..(362)

<223> n = a or c or g or t

<400> 522

```
tttttttttt tttttttttt ttttaacggta gaaccaangt ttattaatga cagcctttat 60
tacaatcact ctcaagtgt aaaaataaag ggtgattaat taatatataa aactcactcg 120
gacttgctgt ttggcctttc agtggatgtg ccaaaggga gggatcttgc ctgattctga 180
atcaattggc cagatggagt tctctggaga atgaggcaat caacaaaaaa gacaaatgat 240
gccaaactgga gagagctcgt gtcttctcca tggtggaagg acattacaaa atggcaactn 300
tggtggtgggg cagagatgaa gtaagacaac cttacagtcg gagtaagatg tgaataccct 360
tt 362
```

<210> 523  
 <211> 416  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R16983

<220>  
 <221> unsure  
 <222> (1) .. (416)  
 <223> n = a or c or g or t

<400> 523  
 ttgcagagac aagtgaacat ttattttttgt acctttcttc ctatgtgtat ttcaagtctt 60  
 tttcaaaaca aggcctgagg aatctccaga ttcaattatg tccctgggct ttgtcgacag 120  
 ctgcaggagt cttagggagc cttgtacaaa tgctagagtt actcatttac caacattaaa 180  
 cccgagaata gaagatgcaa caaagcagggt ttccttcctc catgggaaag tgctgatttc 240  
 agacaagggc agcagccaat gtaggaaaat gctgggaatt tttccttggg aactgggact 300  
 gtggatgaga ggggtgctttg cccatggaac cataaggcta ctgtcttttc ttttggnccc 360  
 ttccctttcc cagggtttttg gaaggnataa aggccgggaa ataaatcttt ctctgg 416

<210> 524  
 <211> 234  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R25410

<400> 524  
 gtggacaaat cttttatttt ctgaagacaa gtgatttgaa gtccagactg aatggcattt 60  
 aagaattagg aatcctgcgt gccatcctgg agtgaattaa actaaattag agtccagaat 120  
 atgcagcttc ttttaagaaaa aattctcctc tgaaatatatt tctttccac tgcattaagt 180  
 agtggttcctc atgagacatc tggaaaacat tgattgttaa aatgtggggtc tggg 234

<210> 525  
 <211> 419  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R28370

<220>  
 <221> unsure  
 <222> (1) .. (419)  
 <223> n = a or c or g or t

<400> 525  
 anatggatat tagttcttta ttgagaatca gaaatatattt aaatttacta aattcagagg 60  
 tagtcatggc ctctcccca taaactttac agtcttagac aatttgtgca ttttaataaa 120  
 ttcttagtta tagtattaaa gaaagtggct gggcgcgggg gctcacgcct ggtaatccca 180  
 ggcacttttg gaggtccagg gcagaggcag ggcagatcat gaggtcagga gatcgagacc 240  
 atcctgggct aacacgggtga aaccccgctc ctactacaaa cacaaaaaaa ttaggccggg 300  
 cgtgggagac agggcaccgg taggtcccgg gtacttcggg gagggctgag gacagggagg 360  
 aattgctttg aaccggggga ggccaagggt ncagtttnagg cccgagattc acgggnact 419

<210> 526  
 <211> 431  
 <212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R31679

<220>

<221> unsure

<222> (1)..(431)

<223> n = a or c or g or t

<400> 526

```
acttccaaga tnaacatttt tctgtttatt cttagaatgt gaattttttt tttcaactca 60
gggccaagta caaacttttg atttttgaaa ttttttcaac tcagggccaa gtacaatctt 120
ttgatttaaa aatttttttt catgaacaaa ccatcagtag ttattaagga gccaagaaa 180
taggagatgt gaaagcagga tttctttgtg tttcctttga atgttggtat tttgagtatt 240
atcattatca gggtaggagg gaaggaaagg gtagggctgg ggaaggtagg gtccttatgg 300
atatcttgac tatgggatcc ccaggattta catttcacct ggtcacagng gcacacataa 360
tttaggataa acatgttcaa ggaatggaca taaacagagg ggtaaacaca ggggggcttt 420
acatttgggg g                                     431
```

<210> 527

<211> 247

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R33627

<220>

<221> unsure

<222> (1)..(247)

<223> n = a or c or g or t

<400> 527

```
aaaaaaaaact tttgaatcat ttattctttg gttgtctaca nagacactta agtactgtat 60
cgctgtcatg cagcggcctg tggaggccct ggggttggtt gggcctgtgt cctgagccct 120
cagccagatc caggggggtgc ggtgtctggt catgtccact ccaagagcag tagcaccatg 180
tagaaggctg tgagcagggt cccctcggct gagtggcaga tgtaggctca ctgctntgca 240
gccccaa                                         247
```

<210> 528

<211> 282

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R36881

<220>

<221> unsure

<222> (1)..(282)

<223> n = a or c or g or t

<400> 528

```
tttttttttt ngtgattata cgttttatta gactcnggga ggggtaatgg caaggncctc 60
atcangtggt ccttcaaatt aaaaaaaaaa aatacaaaaag ctacgtagaa aacgtcagat 120
cagacgacta aactttcccg actcagggcc aagttcttct tgagcctgcg ctctcgggac 180
gcctgcgagt cggtctccga gtacgggggc ggcgcgggcg ggtagtaggc ctcttcctcc 240
tcctccttgt ggggtctcct cctctcctcc gacccttct tc                                     282
```

<210> 529

<211> 428  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R36969

<220>  
<221> unsure  
<222> (1)..(428)  
<223> n = a or c or g or t

<400> 529  
tttttttttt ttcaagttgc tttttccctt tttattaaaa atagactcaa gcactttant 60  
gtatcataca aaagtttcat tcgctggtgg cagccacggg aaagactggc cccgtagcac 120  
tgattttcca cctcccctcc agggacttgg gtcccaggag cagtgactgg gcctcagaga 180  
aagcccataa agactgctta ctctggaagc agccgactag gggctnttcc gcgagcagct 240  
ntccccaccc cacccaatgg caaaagtttag atactcgaaa gtgcctcttc agtgccaaga 300  
taaactaaca agtgggagtg aaatgggaaa accctttgat tattttacta ttttcccagg 360  
ggcctggggg ntttttnagtt tttccctgca attcaaagtc cttttttccc ttacaatagg 420  
ggggtagg 428

<210> 530  
<211> 507  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R37588

<220>  
<221> unsure  
<222> (1)..(507)  
<223> n = a or c or g or t

<400> 530  
tttttttttta gaattcaggt agtggttttgg tttattatct tagtgttgtc acaagtgata 60  
gaaaccccca ngaagtngga angaaagagc tccttgcntg gacctacatt ttgccattcc 120  
cctcttgccc tgggntcaga accttgaagc ctttgcttgg cccttgcatg ttaggatatg 180  
gccaagaatc agaaactgat gcgttttttcc agcactacct gtgtgctgca ctcatggaag 240  
gtgggaagct atacacaggt atccaacttg gttataagac accagttccc acagggctgg 300  
atctctcagc tgtctgggta aaccagtggc acttcactgc cccaggggtg gctggctccc 360  
tttctgaatt tctgtctcaa tgtgatataa ttgccaccat tcaggatggc taccacatt 420  
ttgggatgaa caccatgact tctttaaggc aacgggggct ttcctnctca gaacagtgcc 480  
cctgnaattt ttcctcctgt gggcttt 507

<210> 531  
<211> 239  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R37774

<220>  
<221> unsure  
<222> (1)..(239)  
<223> n = a or c or g or t

<400> 531  
tttttttttta tgtattttcca aaatcacaaa atgcacaaca ttcattngttt ttaatattgc 60

aacatggaat attatatata gattaaaacc acgacagcaa aaacactcac acggtaccag 120  
 tttcatatca aaacaaaaca cacaagtgtc ttttcaatat taaaacgact gtgataaaaa 180  
 catattaata ttttgaacca tgtttacaat agngcaaaat tcatatttta ctaaataac 239

<210> 532  
 <211> 237  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R38678

<220>  
 <221> unsure  
 <222> (1)..(237)  
 <223> n = a or c or g or t

<400> 532  
 tttttttttt tttttttttt ttttttccng ttggaaattt tttatttacc actgcaaggt 60  
 ttttgctcca aagtgtcaca ccagacatat gactacaatg tctcatgcat ctttttgtgc 120  
 tttagttcat gactgcaaaa cacacactta gcatttgaca acaggaaaca cagagggcag 180  
 aaacaaatca caaggactag ttggtttagg ttacagccac attttccccg gggctcc 237

<210> 533  
 <211> 401  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R38709

<220>  
 <221> unsure  
 <222> (1)..(401)  
 <223> n = a or c or g or t

<400> 533  
 tttttttttt tttttttgat ttctcaacat caaagtttaa ttattacaaa atagttcaag 60  
 caacatgata tgantttcaa aaactgtatg ttgcttngct tcctngtttt gctccaacac 120  
 taatcatgct gaggtttttg aagcacagct atgactaggg caggcactct tgatttcagt 180  
 cacaaaaacc cttcttgat gaacaatact tgttcttttc agaagaaaag caattttacc 240  
 ttttctatatt ctattatgaa aaacagagct aaacaatttt tgtattttta gtagagacag 300  
 ggnccacca cgctggccac gntgggtctc ganctccttt caagntgttc tgcttgcccc 360  
 ggcctnccaa agtgccgggg nctacaggat ntgaggncac c 401

<210> 534  
 <211> 340  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R39467

<220>  
 <221> unsure  
 <222> (1)..(340)  
 <223> n = a or c or g or t

<400> 534  
 gagccacctc ggggtgactg agcggaaggc caggcagggc ttccctcttc ttctctctcc 60  
 ccttctctcg gaggtcccc agaccctggc atgggatggg ctgggatctt ctctgtgaat 120



```

ccaccctgg ctaccccccac cctgggctac cccaacggca tcccaaggcc aggtgggccc 180
ttagctgagg gaaggtacga gctccctgct ggagcctggg gacccatggg cacaggccag 240
ggcagcccgg agctngngtg ggggcnttag tnggggggtg ntgcttgacc cccagcacia 300
taaaaatgaa acgttgaaaa aaaaaaaaaa aaaaaaat 340

```

```

<210> 535
<211> 197
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R40431

```

```

<400> 535
tttttttttt tttttttgtc ttgtgtgtat ttttatattca gggaaagaaa tgagggatat 60
gataagaaaa agtctattaa aattgtaagg cttactccag acaccattgc ttaaatacact 120
cccctcgcac acagagagaa aaccctggg caagtgcaca aaaacactac tcataaaagc 180
acgggtgacc agtgaac 197

```

```

<210> 536
<211> 464
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R42241

```

```

<220>
<221> unsure
<222> (1) .. (464)
<223> n = a or c or g or t

```

```

<400> 536
tttttttttt ttttgaaaac agaattatatt attgcataca gcatgggact gtgatcaacc 60
tggnatcaaa atgccgcat ggctgacagg gccagggcgg cgggagtgtt gggaagccca 120
gtacacgtgc tccctctctg tgggactccg ggatccacgg ggcggatggt tctntgagtt 180
gagagttgtt cctgtttgtc ttccagcccc cagtcctccc cggccactct gattagccag 240
cctagggtag ggctggcat aaagtcacac aggcaaacc cagaagaagg aaaaagggca 300
cctgcatgaa caaagagttg ggttgacag gntgcaccgg ggtaagactt cttcatgca 360
gttnggagtc cncatgtg gggacatcag gagatgncac cncacagaat tggtnctag 420
gttttntctg gttttggccc agagaggctn attcccattn tttt 464

```

```

<210> 537
<211> 318
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R42424

```

```

<400> 537
tttttttttt actttctgtg agcttatgag gccattctgc acattatcaa aatgaaatca 60
ttatgcagta accttatata tataaatcca attttttcct ttgtagaaga aaaccaaata 120
aattttacia actacattta acttagtaat ataaagaact gactagtgtt aaattttgaa 180
aatctaccac tttattttga agggaaagg acacatcctt caaaaccccg gctaacaatt 240
cctaggttca gttttctatt atacaaatca aaagggttaa ttccttggtg gcactaacca 300
aaactttaaa aattaacg 318

```

```

<210> 538
<211> 243
<212> DNA

```

<213> Homo sapiens

<220>

<223> Genbank Accession No. R42607

<220>

<221> unsure

<222> (1) .. (243)

<223> n = a or c or g or t

<400> 538

```
ttttttttttt aggctttgca aaatacattt aatgatctct ttcaaacaag tgttactcgn 60
gttttcttttg ctttctggag ctaaattgggg tatcgatgag gcagcagtca cgggagaccc 120
aacatgctctt tggcagatac tggattatcc aactatcaaa aatggagctg tagaagaggc 180
atgttnaact ggttaaaaca gaaagggtat tttagtacgg tcaagttgat ctaagtacag 240
agg                                                    243
```

<210> 539

<211> 270

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R44397

<220>

<221> unsure

<222> (1) .. (270)

<223> n = a or c or g or t

<400> 539

```
tttttttttg tattgtatac acagtggaaa gctggtttta tttgggagac aatgggagct 60
tttacattgt tgagcaaagg agtgacgaga tcagtcttgc tttttagaaa gattagttag 120
gcagttactt atttgtaacc aganttagac agcaaatacg gatgcagggg gagaagtcag 180
gtgactatta gtctgagagt aattctggga caagagcagt ggtaaatggaa ttnaaaggga 240
ttaaagtntt taccaggttt tggcataaat                                                    270
```

<210> 540

<211> 367

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R44535

<220>

<221> unsure

<222> (1) .. (367)

<223> n = a or c or g or t

<400> 540

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tttnttccaa aaatcaccac ctttaatact ccccggtcct gcacacaccc acagtctcac 60
tgggctccac cctcacttac tgcccgcggt ggatggcctt ggaggctgcc tgcccgcgcc 120
aggatgtttg gcacaaagag cagccccgaa gccnctnaa tgntctcgat gggcaccagg 180
taagcgntcc agtgggatgg cctnatccac aggtgcgttg ggcatacagt aggtgcggan 240
tncaatttgc ccanctgntn cctccagggt cagcaccttg aagaagttag tgggcactgc 300
cangtggttt ttgccgatga cctgggtant ttacgtagga tttcccatca gnctctgtcc 360
atgggac                                                    367
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<210> 541

<211> 398

<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R44714

<220>  
<221> unsure  
<222> (1)..(398)  
<223> n = a or c or g or t

<400> 541  
ttttttttttt ttttttttttt ttttttgattt tnagcaggna cagttttgat tttattgcaa 60  
ggcacacaat cgtatataca atgcataatt atcatctttt aaagtacaag ataaaaatca 120  
tatacattat agtaaaganc atatgagtat attcttggtt cagagangaa anttgcctta 180  
aggaagctgg gttataccgt ttttggtatgt gatttttcgta tttatactga atcatccgaa 240  
cagctcttgg ttaggaaaat aaatctcatt gatagggna cacaacctt cacaggcttt 300  
cactttacaa tgttccantt taaaggtcag ccagtgtggc tccctggatt ttggcatggg 360  
gtcatcgttt tttcatcccn ggggtcttgg gttggaaa 398

<210> 542  
<211> 364  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R45654

<220>  
<221> unsure  
<222> (1)..(364)  
<223> n = a or c or g or t

<400> 542  
tttttttttg ccatgtttca tttcctttta taatgaaaat ccataagggt ttaaaatact 60  
cttagacaca cctagcttag caaatatcat ggacctctac atttatgtga attcacacat 120  
gagctagcca gcacctcagt tctggctggc catcgacacc tgcttctccc tttggccctg 180  
gggccaggga gccctggagg ccagggtccc ctctgcctcc tccaatggag ttgccagcat 240  
cgcctttatc tcccttctgc cccaggaggc caggaagccc aggggagcct tcagccccct 300  
tctcaccnt ntgccccntn tttncagca aacctggggg ccccnngntt ccttttgttc 360  
ctgg 364

<210> 543  
<211> 229  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R45698

<400> 543  
ttttttttttt ttttttcatt ataaaagtca gtttattttc cctttctgtg tttcgtattt 60  
tccctttttg tcagtaaag agcaatacac tgactggaaa tctgcatgat taaataacat 120  
taacaagtcc ataaacacac cccatatcag agtataaagc aagagggtga aaaatatccc 180  
ctaaccgaat gccaaattag ggtatccctc aaaattgcac attctccct 229

<210> 544  
<211> 254  
<212> DNA  
<213> Homo sapiens

<220>  
 <223> Genbank Accession No. R46074

<220>  
 <221> unsure  
 <222> (1) .. (254)  
 <223> n = a or c or g or t

<400> 544  
 tttttttttt tttttttttt tttttttttt ttattgccaa ganccaaaga aaaaatttta 60  
 tttacaatag agaattttat ttgaaacatg catttcttgt ttttttaaaa acaaatcagc 120  
 aaatgcagat caagttttaca ctctttaagg caagagtccc tatgcacgct gtacatgttc 180  
 atattaaatc caaaagctgc tcacccgggg aacttgtgta caaagggcaa ggccaaggtc 240  
 agcaatgtgt cttt 254

<210> 545  
 <211> 338  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R49138

<220>  
 <221> unsure  
 <222> (1) .. (338)  
 <223> n = a or c or g or t

<400> 545  
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 gggctcctgc cccagagggg ttgacaggtg gatgccgggt ggggagggt gcagggttg 120  
 ctctggcct ctntcctggc ttcatgggtc tgacanctct gggccancct cagggtctgg 180  
 agcgtactnt agcaccanc tttcaaagtc gttctccttg gcctgggtact ccttgatgaa 240  
 gggatgggac ctgtgggcat ccttcagctg ggacaggtat cggtttgtca cctcaggggg 300  
 nttgccaggn tgctnggaca ggacgatgag gtnacca 338

<210> 546  
 <211> 284  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R49327

<400> 546  
 tttttttttt tttggaaaaa gaaatttttt tttaattaga aaccaagttt acatacgggt 60  
 aaatgggttac taaaagctca gttgtaacca ctctaaccac cactagcaga acctcaagg 120  
 agccaagagc tcttcccttt tccctgtta atttccagta taatgtagca gcacaattat 180  
 ttcatgtcac atttaagaag aacaagaacc aatttatata aaggtacaat tgtatatcct 240  
 taaacattcc acataaacac actgtcaaaa ctactggat atgc 284

<210> 547  
 <211> 414  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R51831

<220>  
 <221> unsure

<222> (1)..(414)

<223> n = a or c or g or t

<400> 547

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tttttttttt ccatttttaaa ttatttttatt gtatatttaaa aaaccaaata aagcaataac 60
tttaaagacc tcacacacac acagtataaa cacctgggta aggttttntt cgtgtccatg 120
ttgacaccgg aactaccgtt aaagtgcgaag ttttgttttg tggttccttg tgcagtttca 180
ctcacatgta aacaagtcac ttggctatga tttgaccac gccccccgn ttagtttcgg 240
gagggcagag gctctaccgg ctgtcacagc aaccggant cacagncaag ntaatgcccc 300
gtgggtcctg accctgcaag cggggcatga cggtttcttg angcctagca gaggntgggt 360
aactttcaca tncctcccc accccgtggt tcactnttag gtttttgaga agtt 414
```

<210> 548

<211> 538

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R56183

<220>

<221> unsure

<222> (1)..(538)

<223> n = a or c or g or t

<400> 548

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gtaagatggc ggggtacgac ttaactactc gcatcacgca ccttttggat cggcatctag 60
tctttccgct ccttgagttt ctctctgtaa aggagatata taaagaaaag gaattattac 120
aaggtaaatt ggaccttctt agtgatgcca acatggtaga ctttgctatg gatgcataca 180
aaaaccttta ttctgatgat attcctcatg ctttgaaaaa gaatagaacc acagttgttg 240
cacaactgaa acagcttcag gcagaaacag aactaattgt gaaaatgttt gaagatccag 300
aaacgacaag gcaaattgcg tcaaccaggg atggtaggat gctctttgac tacctgggcg 360
gacaagcatg gttttaggca ggagtattta gatacattct acacatatgc aaaattccca 420
gtattgaatg tggggaatta cttcaggagc agccagaatn tctttatttt tttcagagt 480
ttggttcccg caaccgacag anatgctgta agttcactct gggggaagct ggcctctg 538
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<210> 549

<211> 364

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R56602

<400> 549

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tttttttttg ctgttatgat tagatattta ttgagcacca ggagagagtc agaacattag 60
acttatagtg gaggagcaga actgaaccct ggcctgtgaa ataacaattt caattaaaag 120
ctgtctggcc ctgaagaaaag agaaatgatc ctggatatag ctggtcctct gagctggcag 180
agctgagcct ccctcgggtc ttctggtggg caagatgcca aagttgaata gtgtctgtag 240
ggcatgatga ccaagtccta gtgctatggg catcttcctt ctggtattta ggagaggagt 300
accagaagcc cccggcagag gatactagga agggcccaga gccaaatcca gcagctgggc 360
ttac 364
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<210> 550

<211> 181

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R58878

<220>  
 <221> unsure  
 <222> (1) .. (181)  
 <223> n = a or c or g or t

<400> 550  
 caaacagggtc atttggtttt attttatgga tacaccaaaa ttttataatg agttgtgttt 60  
 ctattttggc tttatcttcc agaaacttag aaccaaatat gcagtcctct tctagcaact 120  
 gtatgagagc aggtggtaag cttctatttn attgcccttg ttttcccttg actccaaatc 180  
 t 181

<210> 551  
 <211> 485  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R59593

<220>  
 <221> unsure  
 <222> (1) .. (485)  
 <223> n = a or c or g or t

<400> 551  
 tttttttttt ttttttgcca ttgaaaagaa agtttaaatgt tacaattctc cccagaaatg 60  
 aggggtcatgg catgccacag ggggccacat gaaactctgt cacaagcaga gaccacaaag 120  
 cagagagagg acctgagact atgcctttat tgctaagtca gtgggatgga tctaggtggg 180  
 gatgtccctt gtttgggcat aaagcaaaaa cagacattct atggttgtca ctgggaagtc 240  
 tgtgatatga gttttgtgca cccacgagag agggcttaaa aggatgatgt aaacaacttt 300  
 agccttttagt ttgtccctgt acttaatat tgtcaaatag ggcaaacaca aattctaagg 360  
 taaacacaga ttagttccgg gagcagcttg gcttatggca cacnttcagg gaaacacctt 420  
 ggcttaaatc ttacagggga ccacctgttt ttttcaaact ttgggggttat tccgtttctg 480  
 acttt 485

<210> 552  
 <211> 372  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R60056

<220>  
 <221> unsure  
 <222> (1) .. (363)  
 <223> n = a or c or g or t

<400> 552  
 tttttttttt ttttataaaa ggaaacagac caacatcata gtgtttttatt gacaaaacca 60  
 taggaaaagg cagtttttagg atgtaaagta aaaatggttc tctgaaatat ctacacaaac 120  
 gtgaattctg aaaagttttc attaaaatcg tatttcatac aattataaac taatgaggaa 180  
 caaaacaatt ttcaacttct ccataaccca gactgagctt gatttatgct tgccatacag 240  
 aagcagganc tcttcccaga gaggggtggtg gctcccacac agctgacagc caggtttggc 300  
 tgtttaccta agccccatct tcccagtcgg tgttcaaaac aagggcacaa ggtctgggct 360  
 tttcaaaaaa aa 372

<210> 553  
 <211> 387  
 <212> DNA  
 <213> Homo sapiens



<220>  
<223> Genbank Accession No. R60777

<220>  
<221> unsure  
<222> (1)..(387)  
<223> n = a or c or g or t

<400> 553  
ttttttttttt ttttttttatt taaatggaaa cactaatctt tatttttcac atgctgaagt 60  
gtgtgggttac aattttccaat aaaacactat atataataag caaaataagt tagtacattg 120  
taaacttatg cacagtttca tcaattaaca gtttaaganc aaacaagcca tttaagactt 180  
tgagactaca tttagtaaaa nattgcaaac actcaaactt tatcaacccc aagtaagaca 240  
gtaaagagct attcaagact tcttcaaacc aattacacaa ntacatgttt atttttgggt 300  
acagtccctt ggctatgcac aaggaccatt gggaatgctg ggancaattt acacatttta 360  
aaaacgggca aaaaggcaaa gcaaggg 387

<210> 554  
<211> 350  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R69417

<220>  
<221> unsure  
<222> (1)..(350)  
<223> n = a or c or g or t

<400> 554  
ttttgtgggg ggggcaacta aacaaacaca aagtattctg tgctcaggtat tgggctggac 60  
agggcagttg tgtgttgggg tgggtttttt ctctattttt ttgtttgttt cttgtttttt 120  
aataatgttt acaatctgcc tcaatcactc tgtcttttat aaagattcca cctccagtc 180  
tctctcctcc cccctactca ggcccttgag gctaattagg agatgcttga agaactcaac 240  
aaaatcccaa tccaagtcaa actttgcaca tatttatatt tatattcaga aaagaaacat 300  
ttcagtaatt tataaataaa ggggcactat tttttaatga aaanaatttg 350

<210> 555  
<211> 284  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R71395

<220>  
<221> unsure  
<222> (1)..(284)  
<223> n = a or c or g or t

<400> 555  
tggaaaaaan nacaacttta ttttcagtca tttctatttc cttggttatg aacaaaggta 60  
gcaaagtgca gttgtatcag cagtgccaat agaaattaca gagtttttca tatcccttta 120  
cagtttgcca caggtatctt aaaatattgt ttacactcat ctctcttcag tttaccattg 180  
tttaataggc ctaccctcga tcttttttatt caatatgtta ataaagaaac ctatacacat 240  
agtatcacgt tatacathtt aaaantnttt tgacaactgt atat 284

<210> 556  
<211> 480

<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R71792

<220>  
<221> unsure  
<222> (1)..(480)  
<223> n = a or c or g or t

<400> 556  
atttattgca aactccctaa tatcacatgc tagtgcgctt gnaatttcac tcaggaatgt 60  
tccgggatgg gggccagaag gtagagagca ccatgaaagt acagcctgcg aggccggatt 120  
gctaaggggc agacttcatg ccaatggagg gacaganttc aggaccagtc tggatgggct 180  
aagctgcctt gggcngnaag gagctggatc aggccaggga gcttgagggt ctcctttggc 240  
caaccacccc caggtttcca gctcctcctc ctcactcagg gtcctgcgcg gtgagggagg 300  
tttggggggag gttcgcggct ntacagctgc cagggntttt ggggcactac canttaagcn 360  
tgaggccccc agtcagtcct tcactngggg aaagtttcca agganttggg gctttcactn 420  
gcattttttt cagacangtt ccggnntaagg ggttnaagct ttnccttngg ggggttnccc 480

<210> 557  
<211> 392  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R84421

<220>  
<221> unsure  
<222> (1)..(392)  
<223> n = a or c or g or t

<400> 557  
acaaagagaa aattttattt tcttattcctt gaaatgactg tacgattttt caatgtttaa 60  
gttcactttc aagtatgatc aataacaaga catcaaagt aaaaattatg ctgtattatc 120  
attttctcca ttgcttctta aaccactgaa agtaatttca caattcacca catttaggca 180  
tcttcttttt cactttcttc attttttact tctttaggca acaatggatc aatcttcagt 240  
aataaacctt cacttggtga actacgaagg aaagcacgta ccacaanggg acccaaattc 300  
aggcgggtct gtgcctacaa acttcattaa taactgcttg cggattgggc agctatctgg 360  
gtcacttgac atatccaatg ttggctatct tg 392

<210> 558  
<211> 412  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R85291

<220>  
<221> unsure  
<222> (1)..(412)  
<223> n = a or c or g or t

<400> 558  
ttgntattta cangtattta aatgtgaata ttcactacct atttgttgca ngcctgcant 60  
ttttatactg ggcttgccaa aaacccgaac agctttctac tttgacaatg tatcagaatt 120  
taaatacagca atatgttaat aagccaagca aagggtatat atgcaaataa aactggtgtc 180

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tataacctcc tgttacactg gggcacagca aaagtcatgg ngtagtcgca tgtgaacctg 240
tccctttcat aggctgctca ttgccgggga acatcaggga atagccattt gggaaggggt 300
catcagccct cccancatcc gttttctgtc ttgtcttttc cctatgaggc agggggnaat 360
tcncggtgg ggccccaatc cccagtgcag gnggctcagc ctntggcctt tg 412
```

<210> 559

<211> 380

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R88209

<220>

<221> unsure

<222> (1)..(380)

<223> n = a or c or g or t

<400> 559

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acatcagtca gaaaattcca gaaaatggaa agtactccat catacagcaa agtaaataca 60
tggttggttg aagagcagag agaaaaactt tataaaggct ccaagtaaata acaaagggtga 120
tagattagat aaattcatta tggngactct gatgatgggt tcacgggatt ataataaaat 180
tcaagactta tcctacagct caaatatgtg tactttattg gatgtcattt atatctttat 240
tttattttta agatgggggtc tcactctatc acccgggctg gactgcagcg ttgcaatcct 300
aggctcactg caacctccgn ctcccgggnt caagcaatcc tcccacatca ctaagggncca 360
gggtacatgc cncctnccg 380
```

<210> 560

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R89840

<220>

<221> unsure

<222> (1)..(379)

<223> n = a or c or g or t

<400> 560

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ttaaatttta ttatagtaac aaagtgacta tttttaataa taaaagcaga gtgcctgtag 60
gaagtggatg gccctatctc aggccaagtc tccttagtgt ttcagaccta ggctgaccag 120
aatagtcttc tagaatgtaa catttatcca ccaggngtca ttatttacca atctgacaag 180
ccactgggct gtctccgngc attcaatggg tggaatcaag gctacagacc agantaggag 240
atgaatgaaa ntagatttag aaaagggcgt tgtggctgga atgcagcttg cagtgtggga 300
gggcagggnt gggagggtaa agagggctct ttgaaagncc agtntcactt tcctgatcca 360
agtttcttaa gctgatact 379
```

<210> 561

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R91484

<220>

<221> unsure

<222> (1)..(378)

<223> n = a or c or g or t

<400> 561  
tcaaattgtca gattttcttta ttaaaatgtg cacattatag tttacttaaa tacaaaatgt 60  
tcactttcct tgcaggtaag aaatttcact gacatttcca tgtcaattag cttcttttta 120  
ataaaaaatcc ttccactgaa aataaatang catttaantt actgaactat tatattcatt 180  
agtctcaata cctcttaaaa tactttaaac ttgngaaaat agactctaaa catngcctaa 240  
nggngggcat ccagctctga ggcaggccac acaagggtgtg tctgaggtat gggccatatg 300  
actccggggg ggccacctcc acggacgggc ccagccccac cgacggntct gctggaaaat 360  
cccggcccct caggcggg 378

<210> 562  
<211> 223  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R93908

<220>  
<221> unsure  
<222> (1)..(223)  
<223> n = a or c or g or t

<400> 562  
catatatnna atantaaaaa tcctgggagg cattgcactg taatagtaag tctgcccac 60  
caggntcatg catgtctttt ctttcattca agtcttattt tatactcttc agtaaatttt 120  
catatagatc ttgtgaatcg aattattttt acatttcaaa ttcaactaac aattattaat 180  
aganaatgaa aacattgatt tttttcaata tttattttgt gtc 223

<210> 563  
<211> 334  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R96924

<220>  
<221> unsure  
<222> (1)..(334)  
<223> n = a or c or g or t

<400> 563  
agtaaacttt attngggaga tgggggtgaat ccatcactgg ttactggaac cctgagtctg 60  
cattttctcc tcaggaaggc ggtctgaaat ggagtgggct gtgtttggca agggttgtag 120  
tggtttgga tctctcacct gcttggtcc cgagctgggc ctcaggctgn tctccccaga 180  
gtaaatgccc gggatcattg aggaagcgtt ggctgcgctg ggcattgtag ggcaggctctg 240  
tacggtccag cgctgtcccc tgcagcgtct ctgggcgctg ggggtgcaggt naggcccngg 300  
acgaggaggg aagagcagcc tcgacagaga gtcc 334

<210> 564  
<211> 510  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R98442

<220>  
<221> unsure  
<222> (1)..(510)

<223> n = a or c or g or t

<400> 564

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gtactcatta atcccctcct caatttttaa cagaattata aaagcaaagt caaaagggtcc 60
ttcaggatga ctgggaggct tcctaggcta acttttgcac ttgaaaatgg aaaaaataaa 120
ttacttgata tttgtgataa gactaagatt tcttaaaagt ctgcacatca atatattacc 180
tgggcttagg aggggtgagg cacagtatcc atctgcaccc tctcctcgta ttttttaaaa 240
acaggcaaaa tatgtaagaa aaggctgggtg cacgttggaa gacagagcgt gcctgtctat 300
gccagtgctg ctgtgccctg cagcctgggn aggatgggag tcggatgctg gggcctcatg 360
nccacttagg gccaataaca tactcaagac tctacagccc tttcaccagc aaagtatgnc 420
ctgaggggaa ccactgggtg ttgggagttg aaggcacaca aagcaggggc taaagggcaa 480
ttgggggttc acggtgcagg cgccttgagg                                     510
```

<210> 565

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R99092

<220>

<221> unsure

<222> (1)..(386)

<223> n = a or c or g or t

<400> 565

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tgtagagacg ttttgccctg ttgcccaggc tggtttcgac ctgctgtgct caagggatct 60
gcccaccttg gcctcccaaa gtccctaggat tacaggcctg agctactgcg cccaacccat 120
ttatttattn ctgttttagt tgcatttgct ttaggagctt tagccatgaa ttctttgcct 180
aggccaatgt ccagaggagt ttctcctagg ttatatctta gaatttttat ggtttcagggt 240
cttaggttta agtcttttat ccatcttgag tttatttttg tgtaaagtga gagacaggga 300
ttcagtttca ttcttctaca tgtggctatc cagttttccc agcaccattt attaaatagg 360
ggtgtccttg cctcaattta tggttt                                     386
```

<210> 566

<211> 691

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. S45630

<400> 566

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gacccctcac actcacctag ccaccatgga catcgccatc caccacccct ggatccgccg 60
ccccttcttt cctttccact ccccagccg cctctttgac cagttcttcg gagagcacct 120
gttggagtct gatcttttcc cgacgtctac ttccctgagt cccttctacc ttcggccacc 180
ctccttcctg cgggcaccca gctggtttga cactggactc tcagagatgc gcctggagaa 240
ggacaggttc tctgtcaacc tggatgtgaa gcacttctcc ccagaggaac tcaaagttaa 300
ggtgttggga gatgtgattg aggtgcatgg aaaacatgaa gagcgccagg atgaacatgg 360
tttcatctcc agggagtcc acaggaaata ccggatccca gctgatgtag accctctcac 420
cattacttca tccctgtcat ctgatggggg cctcactgtg aatggaccaa ggaaacagggt 480
ctctggccct gagcgacca ttcccatcac ccgtgaagag aagcctgctg tcaccgcagc 540
cccaagaaa tagatgccct ttcttgaatt gcatttttta aaacaagaaa gtttccccac 600
cagtgaatga aagtcttggt actagtgtg aagcttatta atgctaaggg caggcccaaa 660
ttatcaagct aataaaatat cattcagcaa c                                     691
```

<210> 567

<211> 1398

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. S59049

<400> 567

```
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cctgaagcaa aggcatctcc actccaaagt tagacaaaat gccaggaatg ttcttctctg 120
ctaaccctaaa ggaattgaaa ggaaccactc attcacttct agacgacaaa atgcaaaaaa 180
ggaggccaaa gacttttggg atggatatga aagcatacct gagatctatg atcccacatc 240
tggaatctgg aatgaaatct tccaagtcca aggatgtact ttctgctgct gaagtaatgc 300
aatggtctca atctctggaa aaacttcttg ccaaccaaac tgggtcaaat gtctttggaa 360
gtttcctaaa gtctgaattc agtgaggaga atattgagtt ctggctggct tgtgaagact 420
ataagaaaac agagtctgat cttttgccct gtaaagcaga agagatatat aaagcatttg 480
tgcattcaga tgctgctaaa caaatcaata ttgacttccg cactcgagaa tctacagcca 540
agaagattaa agcaccaacc cccacgtgtt ttgatgaagc acaaaaagtc atatatactc 600
ttatggaaaa ggactcttat cccagggttc tcaaatcaga tatttactta aatcttctaa 660
atgacctgca ggctaatagc ctaaagtgc tggtccctgg ctgaaggga ttaacagata 720
gtatcaaggc acgaaggaat gtgccagtat ggctccctgg gtgaacagct tggccttttt 780
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ccaggcgagc agttgaagaa gcataagcaa gacaaaaaca gagagaccgc agaaggagga 900
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tggaaggcc aggttaactct agttacacag aaactgtgac taaagtctat gaaactgatt 1020
acaacaggct gtaagaatca aagtcaactg acatctatgc tacatattat tatatagttt 1080
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tattgcttgt cgggtgtattt tattttattg tttttgactt tggaagagat gaactgtgta 1200
tttaacttaa gctattgctc ttaaaaccag ggatcagaat atatttgtaa gttaaatcat 1260
tggtgctaata aataaatgtg gattttgtat taaaatatat agaagcaatt tctgtttaca 1320
tgtccttgct acttttaaaa acttgcatth attcctcaga ttttaaaaat aaataaataa 1380
ttcattttaa aaaaaaaaaa 1398
```

<210> 568

<211> 1223

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. S81914

<400> 568

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acactcgctc ggctcaccat gtgtcactct cgcagctgcc acccgaccat gaccatcctg 60
caggccccga ccccgcccc ctccaccatc ccgggacccc ggccgggctc cggctcctgag 120
atcttcacct tcgacctct cccggagccc gcagcggccc ctgccgggag cccagcggc 180
tctcgcgggc accgaaagcg cagccgcagg gttctctacc ctcgagtggc ccggcgccag 240
ctgccagtcg aggaaccgaa cccagccaaa aggttctctt ttctgctgct caccatcgct 300
ttctgccaga tcctgatggc tgaagagggg gtgcgggccc ccctgcctcc agaggacgcc 360
cctaacgccc catccctggc gccaccctc gtgtcccccg tcctcgagcc ctttaactct 420
acttcggagc cctcggacta cgctctggac ctccagactt tcctccagca acaccggcc 480
gccttctaac tgtgactccc cgcactcccc aaaaagaatc cgaaaaacca caaagaaaca 540
ccaggcgtag ctggtgcgag agagcgtatc cccaactggg acttccgagg caacttgaac 600
tcagaacact acagcggaga cgccaccgag tgcttgaggc gggaccgagg cgcacagaga 660
ccgaggcgca tagagaccga gcacagccca gctgggctag gcccggtggg aaggagagcg 720
tcgttaattt atttcttatt gctcctaatt aatatttata tgtatttatg tacgtcctcc 780
taggtgatga gatgtgtacg taatatattt tttaacttat gcaagggtgt gagatgttcc 840
ccctgctgta aatgcaggct tcttggtatt tattgagctt tgtgggactg gtggaagcag 900
gacacctgga actgcggcaa agtaggagaa gaaatgggga ggactcgggt gggggaggac 960
gtcccggctg ggatgaagtc tgggtggggg tcgtaagttt aggaggtgac tgcattcctc 1020
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ccgtgagatc cttccatctt cttgaagtcg cctttagggt ggctgcgagg tagagggttg 1140
ggggttggtg ggctgtcacg gagcgactgt cgagatcgcc tagtatgttc tgtgaacaca 1200
aataaaaattg atttactgtc tgc 1223
```



<210> 569  
<211> 290  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T03229

<400> 569  
ggtgatcttt gtggcattct ctgtatttcc tgaatctgaa tgttgtcctg ccttgctaga 60  
ttggggaagt tctcctggat aatatectgc agagtgtttt ccagctcggg tccattctgc 120  
ccatcacttt caggtacacc aatcagacgt agatttggtc ttctctcata gtcccatatt 180  
tcttgagggc tttattcggt tcttggtatc cttttttcct ctaaaacttt tccttctcac 240  
ttcaatttca atttaatttc aaccttcaaa tcaactgata cccctttctt 290

<210> 570  
<211> 253  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T03593

<220>  
<221> unsure  
<222> (1)..(253)  
<223> n = a or c or g or t

<400> 570  
cgngcaaaag tgtttatattt tctccttcag atatacantc tattggggnt tccgtgccac 60  
tgaccaccat gtacaaggaa gggnttcaca ggcaaggggg acaggtgagg gcagcccca 120  
cttcactcaa ggaacagggc aagggggccc agtacagaga acagaaatct cttacgacag 180  
catcgtgccc tggcaganga ttctgcatan tcacctagaa atttcaattc taactgnntt 240  
gatggaataa tag 253

<210> 571  
<211> 71  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T10695

<400> 571  
tttttttttc agctgggcta caggtttatt ctggcactgg aggtgaaagg gggctggtgt 60  
ggccagcacc g 71

<210> 572  
<211> 255  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T15409

<220>  
<221> unsure  
<222> (1)..(255)  
<223> n = a or c or g or t

<400> 572

```

ttttattgaa agttgaaaag tgaacagtta aataagtgac accttaaaat tgtgtagcga 60
aatgacagaa aatatgcata taactactat acaggtgcta tgcagaaacc cctactggga 120
aatccatttn attngttcga actgcggatt tttnaacgta ttcaaccagc tgaattgaac 180
gatttcagtg nacacggatt tacttttagcg tattcagcag ctagatttca gcttccacan 240
ngtgcgtnac tgtgc 255

```

```

<210> 573
<211> 268
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. T15423

```

```

<220>
<221> unsure
<222> (1)..(268)
<223> n = a or c or g or t

```

```

<400> 573
tttatttcat tatcagtctt acaggttgct gaggttgggc aaagccaggg tagtaactta 60
aatccaaagc acttttgtgg agggacaacc cgtttagcaa ggccctgtta ctgaacagag 120
ggcagtgggg ggcaccccag ggaccacagc acacagacta gtgttagaaa ccccttccca 180
gaagcaaccg gtgggacttg gcccttacca gccaggggtc tactccattg ggtcttgggg 240
cccaccaacc cctnttagag gnggnccc 268

```

```

<210> 574
<211> 246
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. T15850

```

```

<220>
<221> unsure
<222> (1)..(246)
<223> n = a or c or g or t

```

```

<400> 574
aggaggggtg cgtttattag acaaacgctg ggagacaggc ctggtgggga cctggctggg 60
ggatgatgca gcccgcaatg gctgctgctt cgtacttggc ttgccccgga ccacagactc 120
gtaacggtaa cccctaactt ttcaggggcc tgnnaccgc cctgccagg gtccacacgc 180
agagttatgg cgggnccacc cccacaggtg cagctctatc tcccacctnt tgcacagaga 240
tataag 246

```

```

<210> 575
<211> 311
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. T16282

```

```

<220>
<221> unsure
<222> (1)..(311)
<223> n = a or c or g or t

```

```

<400> 575
aagctcagag tgacttttaa tatgccaatc aatgttaata aaacacaagt caaagacaag 60

```

```

tgcaaacatg ttttagacca aaattaatga gaaaacagac aatttttttc aacatctggt 120
agccagtatt attagtcaaa tggctaataca cagataaaat atattttgtg aaaaacttgg 180
aatgtcagan gtcattctgg catttcaaac agctatgtac agtatcacga agatcgggtt 240
atatacacia atattgaaga gaaaaaccgg gcaaaacatt taaaaacaga ctaataatac 300
aatcaagtat a 311

```

```

<210> 576
<211> 250
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. T17428

```

```

<220>
<221> unsure
<222> (1)..(250)
<223> n = a or c or g or t

```

```

<400> 576
gctgtgcagt agtattttatt gttacagtgt taaaattcac tctcggggaa gcgatttggg 60
gccacggccc tagaaactgc atctttgttc agagccaacc catttctct gcagccacaa 120
aatgcctttg tgtntcaggg ctccgggagat tctcctcgnt ggccagccat tggcaagaat 180
gccagactca gaggttgcca ttgcccacag gctttntnct cctttccttt cacagcagga 240
agagccctcc 250

```

```

<210> 577
<211> 309
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. T23468

```

```

<400> 577
tttgccaatt atctccatgt ttattttaaat atttggctct aaaggaagca atcattcctt 60
tatacttctt taaatttagt attgacattt ttattttggg aaaggaggtc tttttttttt 120
ttaacatgga tacaggaaaa gaaaactctc caataaaaat attgtctaaa aagtttggtt 180
tggtgtcatg atttactaaa tatgtacaat ttcaattcac agcgaaggta acaaagattt 240
aaacagccaa catcacaaat gtctcaagtt ctaaaaaaaa atcactgtgc acagtttaac 300
aattttaatt 309

```

```

<210> 578
<211> 299
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. T23490

```

```

<220>
<221> unsure
<222> (1)..(299)
<223> n = a or c or g or t

```

```

<400> 578
tttccagggt gacagggtttt attccacccc cttccatccc catggccacc ccaggcagga 60
ggagacaggt gtgctggagt ctggtcactt tggggcccg cgtgggcaga gccactggg 120
tttacattct ctgtgggcag gtgtggacac cagagggctg gggcaggagg agcgtgggag 180
cgagcggncg acccccgtct ctggcccggc ccctgggtaa acgccgactc agatgcctga 240
aacagacctg ggccgagcaa ggaagggtga tggattttcc acccagacag aaattcaaa 299

```

<210> 579  
<211> 299  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T23622

<400> 579  
tttatagagg agactgaaaa agataattta ttccatcaga ggcatacaca ttacagatta 60  
cagacatttg caagtaaata atatgcaggg ttagagcgct gcgttttaac atttaacatt 120  
catgagtaaa cagagatggc cgggtgggtaa atatcttgcc aaggtgggtc cttgtattaa 180  
gccttttgag tctaagatga caaatcccta ggggtcaggt gggttttccc gcacgaactc 240  
ttgtcaatga gaaatccctc agcccctttt gtcttgggtc tcacagctcc agaaggtga 299

<210> 580  
<211> 309  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T23935

<400> 580  
tttatgtata aacagggtacc agttttgatt ttattttaatc atttcataca ttaacataca 60  
tgacacatca aaatgagaaa tgcacagttt aaccgttcaa cagctggcct tacttcaaaa 120  
gaacactata ttcataattaa acattttacag tctttccatc taactttaca catgtcctaa 180  
atcattttcc agcacttctc acatagaagt ctagttttgc tctttaaaat caccatctgt 240  
atcaccccta gtagacgcga gggtttcccc aattacatgc tgaagagagc cagccaccac 300  
cccacctaa 309

<210> 581  
<211> 128  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T25732

<220>  
<221> unsure  
<222> (1)..(128)  
<223> n = a or c or g or t

<400> 581  
ctggcttttc ctttcttctt atttttattg ctcccaaagt tccactcatc gtcactgtca 60  
gacgtctccg agtctgacga ggctgcaggc tgactcacag gcnnctcctt cnnctcagag 120  
tcactgcg 128

<210> 582  
<211> 207  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T32113

<220>  
<221> unsure  
<222> (1)..(207)

<223> n = a or c or g or t

<400> 582

```
ctggacagcg ggcagcacca ggcgggcgac agtgtcttcc ttctgcagga gcagcgcgng 60
gctctccacc acctcctctc catccttggt ccagcgcacc tntgcccagg gccggcatag 120
ctcacaggtc agcaccacac gctccaggcg cacgggtgcc acatacacct tgccgctggg 180
atacacgatc cacgaggaga cgtctgt 207
```

<210> 583

<211> 308

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T33263

<220>

<221> unsure

<222> (1)..(308)

<223> n = a or c or g or t

<400> 583

```
gttcctttaa aggtttatatt ctggcaaata aaaaaaata acttatgtgg ttagataaat 60
taatgtatgt nattagatac gacacagggc agagctgaac gttcctgttt tcttctggnt 120
cttgaagggt ggtgagaggg cgctgaatga gaccagcct cgtgttttgt gggatgaaga 180
gatgcagaca aagtgactca ggtacactga tgctccctgg agggctggga ggtgggctca 240
gaggaagagg ccgaatccaa acctttttta ttgaaaagaa atagctcttg tttgtagcat 300
ttaaaaga 308
```

<210> 584

<211> 271

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T40895

<400> 584

```
taatggtagc tatcaattta ttaactgggt actgcggcaa tatatataat tataaaatca 60
ccatcaatcc tttcattcat acgttaacac atatcactgg ttaattcat tgaaggcaaa 120
tacaagtttt tcccttactt tccttccaag attccactta ggctgggttac cccaaacgta 180
atggagaaac attaaatgtc actttttaac cactttttaa ccagtcttta attttcaatt 240
caggtgtgag gcacatatat acacacaaac a 271
```

<210> 585

<211> 343

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T40995

<400> 585

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taatggttaa ggaggaaggt ttattggctt caattcccca gttgatgttc aacactttat 60
ttagttctca tttggatttt aaacatttgc ttgacaaata atttcccatc aatttccatt 120
tctttggaaa gctcccacgt gtaatttatt tttaacatct ctgaagagca gaattaatga 180
tatttcctag ctgttgctcc agatcatgta gggtagagga ggctgaaaac tgctacaagg 240
gaaggcatct gtattgtttc aaaacgtcag gacggtagcg gatactcttt ccagagcgac 300
gaggggtcaa tcccttcatt tatttttttc aaaagggtaa aac 343
```

<210> 586

<211> 351  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T49061

<220>  
<221> unsure  
<222> (1)..(351)  
<223> n = a or c or g or t

<400> 586  
ggaccaaga actttatatt tatttttaa atcaaagtaa cacaaagaac tagttcaata 60  
tacagtacac ttcctactct tcacagagaa ctgaaatttt ctataaagac atttatactt 120  
aggaaacatc agacaaccaa agtatgtata aaactcacaa gatattttac acacagttca 180  
caataattaa ttctgatatt ttaggnnttt tctgtcattg cttttaaagc atccttaatt 240  
taaaaacaaa aattattatt tgaggactgg aaaacagggtg gcaaaggcat ttctactttt 300  
aattatacac tggtaaatacc ccccttaatc caaacattt tacttncaca t 351

<210> 587  
<211> 423  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T49602

<220>  
<221> unsure  
<222> (1)..(423)  
<223> n = a or c or g or t

<400> 587  
tgaatattca agaaagggtga agtttaattt gcatataggc ataacctaca cctcacttgg 60  
caagtgttag gccacagcac aaaccctct gtccaatcac aaatgtccac aaatttgcaa 120  
agtaactgga cacgaacgat atgcttctca aactcacaca catattcgtc catcacacac 180  
acactcaa at gataaagaan tacattgaaa tcctctacaa aagagatctg aggacagtan 240  
tcagatgacc tcatgtgagg acagcctntt gcagtttaca gtctaatacca tttggtcctc 300  
acantagccc tgtgaggata agcagcacag ggattactnt tcacaccgtt ttgcaggatg 360  
agggaaactg aggctcaggg gatgtgtaaa caccagccta aggttttcca gttgggagac 420  
tgg 423

<210> 588  
<211> 309  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T53590

<220>  
<221> unsure  
<222> (1)..(309)  
<223> n = a or c or g or t

<400> 588  
ttnggtatgt ggttcagctn tttattntct ccatgggggtg ggtgaagagg agtggcccag 60  
ctgagctgag gaaggtgacc actgagaacc cattcaacct gctgagcagc ttgggcagaa 120  
aggagcagga cttgggacag acgactgaag atgcagagac cccatgggcc ccaccctgg 180  
gccttcctcc catntggctg caggcatcct ntntnatcan tgctggggtt cttcctggtt 240



aaagggccan aaggtnaagg agatgggntt ttcangcatc agaagtgaggt tnaatttggt 300  
gcccacatc 309

<210> 589  
<211> 470  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T56281

<220>  
<221> unsure  
<222> (1) .. (470)  
<223> n = a or c or g or t

<400> 589  
caggtnatn ttntttaatt atcactcaca tatttcacag gaaaaggant ntagcaaagt 60  
ggtcaagggtg gtntaaaaaa aaaatccagg ttntacatg tctctctgtt tacatctggg 120  
agaaagggttn tcctggcatc agtcgcagca gctgcacttc tctgacgccc ctttgcaaac 180  
acagccctgg gcacacttgc tacagcccac ggggaggcag gagcagcagc tntntttgca 240  
ggagggtgca ttgcnctct ttgcacttgc aggggaaccag cgcagggtgc agggagacac 300  
cagcgggagc agggagcagt tgggggggnc cattgcaagc ccgagggaga gactgggact 360  
tttcccaagg agagaagcga aggaagccag tggggggcag ctcgtgcccg anttccttca 420  
gccccggggg gntcccccta gttctaggag cggnccccac cgggtgggat 470

<210> 590  
<211> 439  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T62857

<220>  
<221> unsure  
<222> (1) .. (439)  
<223> n = a or c or g or t

<400> 590  
caatctnaaa aaaatatttt cattatgttt attataaaaa tataaatggt tccactacaa 60  
atcatttttac attagtaaga ggccatctac attgtacaac ataaactgag taatattttg 120  
aaaagacaag tttaaagtaa acacatattg ccaatcatat cacatttata catggcttga 180  
ttgatattta gcacagcata aactgagtga gttaccagaa ataaataata tatgtaaatc 240  
aaatttaaga taaaaaacag ntcatatggg tacataacat catgtaggga gttgtggcct 300  
ttatgttttac tgaaagtcaa tgcagttccc tgtaccaaag ggatggccgt aggcattcta 360  
ggtaccctct nctccctggg ttaggggaatc cgtacactta tggtttacca tatggtccgg 420  
gggtagggan ttgtggtaa 439

<210> 591  
<211> 450  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T62873

<220>  
<221> unsure  
<222> (1) .. (450)  
<223> n = a or c or g or t

<400> 591  
 tttttnacga gacagagctc agttctgtcg cccagactgg aatgcagtgg tatgatcttg 60  
 gctcactgca gcctcgactt ctcgggtaca agcaattctc ccacctcagc ccctggngta 120  
 gctgggacta caggagtata ccaccatgcc caactcgttt ttatatattt atagaaatgg 180  
 tntctcacca tattacccag gctggtctca aactcctggg ctcaagcgat ccatctgcct 240  
 gccttggtct cccaaagtgc tgggnntaca ggtgtgatcc tctgagtctg gccaattttt 300  
 atttaaagat atttttttaa ttggactgga cgcgggtggc catgcctggg aattaatccc 360  
 agcaactttg gggaggccaa ggcgggatgg cttagacca gcctggggta acatgggcaa 420  
 gacccntct ctaaaaaacc aaaanaaggg 450

<210> 592  
 <211> 237  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T62918

<220>  
 <221> unsure  
 <222> (1)..(237)  
 <223> n = a or c or g or t

<400> 592  
 tttttttaag aatcttctgg gcctctttat taagagccct ctgccttncc aggggaggga 60  
 agcaaatact tcaggggccc cagagttcct gcaccccata tcatgggtga gnctaccagc 120  
 cacagagcca cccgtcaccg tggagaggct taagntgcac tcagagctcc ccccgggcat 180  
 gccgaatgta gtgttgatgc agccctgctt cctgagcaaa gtcctgaccg cactctg 237

<210> 593  
 <211> 301  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T64211

<220>  
 <221> unsure  
 <222> (1)..(301)  
 <223> n = a or c or g or t

<400> 593  
 ttttttnntt tgtggatttt ccttttaatg caaaatggtg caatacaaaa caatgtggag 60  
 aaagcctggt cctcaggcac tgaaggagg agtgaggaag agaggacaga gctggacgtc 120  
 tcctcctatt tctccctccc caagtcactc tgaggggaag aacactgctg cctgctccct 180  
 gggcctgccg catacaaggt tagagccctg ggtctggggc atccttagcc tgaaatttgt 240  
 tgacatgggg caggagagca ggagggaaca ttgagggttt tgactcttcg ggctctaaaa 300  
 g 301

<210> 594  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T64223

<220>  
 <221> unsure

<222> (1) .. (290)

<223> n = a or c or g or t

<400> 594

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gaatttnana gcattaagtg catttttattt tattgtatta gcacataaat tgatgaagcc 60
acatgggtgaa aatctgtgag aaactgaagg ttttcatttg ttttctgtgc cccactgtat 120
atcacctttc aaaataatgc tttctgctgg gtccaaactt cacttgagc aaagaaaggt 180
agttaaaagg tttcacttaa agctacttcg ttatgggtgc tactgaaagt aaggtaaaag 240
caaacagcag taacatgggg actttaantg aggcaagaga agggattcag 290
```

<210> 595

<211> 445

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T67053

<220>

<221> unsure

<222> (1) .. (445)

<223> n = a or c or g or t

<400> 595

```
ttctggttgt caatgaggat atttattggg gtttcatgag tgcagggaga agggctggat 60
gacttgggat ggggagagag acccctcccc tgggatccct gcagctccag ggtncctgg 120
gtnggggttag agttgggaac ctatgaacat tctntagggg ccactntctt ctccacgggtg 180
ctcccttcat gcgtgacctg gcanctntag cttctgtggg acttccactg ctccggcgctc 240
aggctcaggt agctgctggc cgctacttn ttgttgctct gtttggaggg tttggtggtc 300
tccactccn ccttnacggg gctgccatct gccttccagg gcactntcac agctcccggg 360
tagaagtcac tgatcagaca cactagtgtg gccttggttg cttggagctc ctccagaggan 420
ggcggaaca gagttacagt gggga 445
```

<210> 596

<211> 444

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T67105

<220>

<221> unsure

<222> (1) .. (444)

<223> n = a or c or g or t

<400> 596

```
ttancaaaca tttattgatt gcacaatgaa acaatctctc ctttcagata tatacatcag 60
tttactaaaa gagtagatac aaaggtcagg aagtaattac aatgcaatgt gataagttta 120
ataatatagg tttgacagca tacagnggag ggggtgattg gggttnaggt gatgggtggga 180
tattggccag gtaatatctc atggaccaag tgatgacaac atagggtttc acagatggat 240
aagagtcttc caagtntacc agggggaaat atacatgtgt gggtgccaaa acagagtatg 300
gcatttcctg anagtcagan ntnatacaa gagtataaag tncaagagaa tgggataagt 360
agctagggag gtaaggccag acaggntagg cnagtcctag gggcctttca ggccatgggn 420
agganaacgt ggggcttcac ccta 444
```

<210> 597

<211> 244

<212> DNA

<213> Homo sapiens

<220>  
<223> Genbank Accession No. T68873

<220>  
<221> unsure  
<222> (1)..(244)  
<223> n = a or c or g or t

<400> 597  
ntttttttttt ttttcaagtc aaaactgttt tattgtcngt ttacatatatt aatagaaaaa 60  
ggaatgtagc aaatgctcag gggtgtatga aaaaaaatc caggtttgtg caggttgctc 120  
tgtttacatc tgggagcagg gctgtcccca catcaggcac agcagctgca cttctccgac 180  
gcccctttgc agacgcagcc ctgggacact tggcacagcc atggnagacc aggagcagca 240  
gctc 244

<210> 598  
<211> 346  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T73433

<220>  
<221> unsure  
<222> (1)..(346)  
<223> n = a or c or g or t

<400> 598  
gggagaaata accagctatt gttccgcatt caaacagaaa ttcagggtgct tgcattctttc 60  
acgtattgtt caaaaatcac aagcatctgt ggaaaaaac taaggattta cagacactac 120  
acggagggtca tgttcttaca ttcaagacac taaatacaaa ccgangcant gcaaaattgt 180  
atactttaat tttaaaaccc antttttgtt ctcaacttga aaagggnaac acttttttgt 240  
ttcacaaaca agctgggtcg gggtgggant tctttttggg aacagtaggt cccgcgctaa 300  
acactgggtt cttgcctccc cacccttntt ctctaaaatn aacccta 346

<210> 599  
<211> 475  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T78398

<220>  
<221> unsure  
<222> (1)..(475)  
<223> n = a or c or g or t

<400> 599  
agtattgggt gtagttttat ctgtcctttt tttattcctt taattttaaaa aaaaaaaacc 60  
tttaaactag gcaaaattac tttcctttta acaaaaacca cattttcatg ccttctgata 120  
acttttctta aaccaaaaac atgtcctact tcccttatac actttcgatg gagaattttt 180  
tctcttgat ttagtaattt caattatata cattttattac aatgttaact ttaggtaac 240  
tcttattttt aggtgaaaaa ccttgggagg gtaggccgtt ttaattatgg taccaggatg 300  
gcaaagggtcc aggaacaagg ggaccaagcg ggggaggctg ggcctagggt cataggcctt 360  
aaaaacttta aatcttaagg gataaagggg nggggggnac ggtggggcct cacggnctgg 420  
ttaatcccgg tgggttgggg gaggggagcag tgggggtggg gntcacnggg ggtca 475

<210> 600  
<211> 445

<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T79768

<220>  
<221> unsure  
<222> (1)..(445)  
<223> n = a or c or g or t

<400> 600  
ttttaagaca actacaaact ttcaatattg gaggtagctg cagagatcat ggtaactgac 60  
tttttcacag atgaggaatt taaggcccag aggaaggtaa tatcagaatt agtgacctcc 120  
gcacccagca cacacacagg acaggggaaa ggggtgggaga gatgcatgca ctgggaccct 180  
gggatagatt caagataccc ttgctggggg aggggtggggc tggccgttag ttctaactca 240  
gtctttctcag tgccacctcc agcccctgtg ggtctttatg ggggcccacac tctttatcca 300  
tctttccttg gggatgatggg agggcatgtt cgccagcatt aaggatcttc ccagncacag 360  
gatggcacgg ccccgggcct tctttgatat tattaggtgg gcttctgggg gntttcttcc 420  
ctgccgncct tccacaactc agggc 445

<210> 601  
<211> 408  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T85532

<220>  
<221> unsure  
<222> (1)..(408)  
<223> n = a or c or g or t

<400> 601  
atcgcttgag gccacgagtt caagatgagg ttggcaacat agtaagacct catcactaca 60  
atTTTTTTTT ttttaaatta gtgaagtgtg gtactgcaca cccgaagtcc cagctacttg 120  
ggaggctgag gcaggaggat tgcttaagcc cagaaatttg aggctgcagt gagccatgat 180  
tgcaccacta tgctccagag tctaggcaac agagtgcagac cttatctctt taaaacaaac 240  
aagaatgaag ttaggtatct gtttatattgt ttgagccatt tgtatttcct tttttgtagg 300  
actgtcctgt ttnaaacgtt aaaatcactg ctgtnggttt tngattttta catctcagct 360  
gggatgggca ccaattaaat tatttnaggc cctgggtttat tgnaaaat 408

<210> 602  
<211> 459  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T86148

<220>  
<221> unsure  
<222> (1)..(459)  
<223> n = a or c or g or t

<400> 602  
atTTTTtatat gaagggttttc tgggtgaaatc ttttaagcag ggaggaaaat ccaataaatt 60  
tttttaaaaa ggttttagcta ttccccaatg ctattttaata caattgaggt taggacgtta 120  
agtcttatca gactgtgtac tggagccccg tgtcatcagc aaaagccgtg tgagtcaaca 180  
ggtgtgaaga ctcaagatgc gcacacagac gctgtccgtg gttttatggg gaatgatgag 240

```

ggctggtcag ttctcctcat gacaaaagtc aaaccgactt ccctgtgttg cgtgtgaagc 300
ttgttagtgg acagaggagg aaacgcaggg ttctgccctg gggagnatga cagnccacag 360
cgcttggggg nccgtcaggg ctttcgtgtn cagtttagcgt ttcacaaact ngaggaggag 420
tattaaaana gcccaaacc caaagtttct ttttttcaa 459

```

```

<210> 603
<211> 357
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. T89160

```

```

<220>
<221> unsure
<222> (1)..(357)
<223> n = a or c or g or t

```

```

<400> 603
atgctgctat gacagaatac ccaagactga gtaatttata aagaaaagta atttatttct 60
acagtgccag ggtctgggaa ggtgctggta tctgggtgagg gctttcttgc tgcattcattc 120
catggcagaa agtgagaggg tgagagaggg acaaggaggg ggaactgaac tcattccttt 180
atcagtaacc cactcctgca ataactaatc cactcccaca ataacaacat taatctattc 240
atgaggggcag agctntcatg acctagtcac ttcttaaagg ttctacctta actccattgc 300
tttgggggat taaatttcaa catattaaac ccttgggagg gacacattcc aaaccac 357

```

```

<210> 604
<211> 494
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. T89703

```

```

<220>
<221> unsure
<222> (1)..(494)
<223> n = a or c or g or t

```

```

<400> 604
gtagaaaaca aaaatggaac atttattngc aactcaaata ctacgcatat acagtaagaa 60
nttaaataata aacacagcaa gttccacccc agtcctatct gtccaaggct gcatgggtcaa 120
atggaatctt gaagagaaca cctggncaac agagcanctn tcagcgacgt ctccgggtctg 180
gacttctgct gcgtcttcgg ccacctctcc ncttgccctt tgggtggacc cgaacaaaac 240
accagtcaac ggtgatgggc tgtcccatca aatcctgggc cattgagtcc ctccatagca 300
gcctggggct tccttgatat tttcatattc agctaggagt ataccctgt cagatatcct 360
gttcgcctgt cgagggttgag gatgaatgtt tttaatttcc ccatattctg cggaatttgt 420
cgtgtatgtn ttctgcgna ggcttctca tggacttcca gttacaaaga gantccagnc 480
ttcagcagag cggt 494

```

```

<210> 605
<211> 391
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. T90190

```

```

<220>
<221> unsure
<222> (1)..(391)

```



<223> n = a or c or g or t

<400> 605

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tantnntcca gctcttttat tgagatcagt ggtggctctg aaaagcgtnt ttngggtttt 60
agaagtaggc gttegctaata ttcttcttgg gcgccgcttc ttaggcttga caaccttggg 120
cttagcggcc ttggnntcac agccttagca gcacttttgg cagctttctt gggcttcgca 180
accttggcct tctttgggct cttagcactt tcttggttac agtggccgcg gcggctntct 240
tcgctttctt cggngttttc ttagcgctct tcttcggagt tgcgccgcca gccgcccttc 300
ttgggcttct tggctncccc aactggcttc ttaggtttgg gtccgcccg cttttnaacc 360
ntggggcttg gncttccccg gagcttgccct t 391
```

<210> 606

<211> 483

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T90619

<220>

<221> unsure

<222> (1)..(483)

<223> n = a or c or g or t

<400> 606

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gannntnntg ggctcggcgt ggtggtgaag ctgtagcctc gctcagtga gatctnecatg 60
aggtagtcgg tcaggccccg gccagccagg nccagacgca ggatggcgtg ggggagggcg 120
tcgggtacgaa tgggcaccgt gtgggtgacc ccgtctccag agtccatgac aatgccagt 180
gtgcgccag aggtangagg gacagcacgg cctggatggc acgtacatgg ccgggggtgtt 240
gaaggtctca aacataatct gagtcattct ctctctgttg gccttggggg tcaggggggc 300
ctcggtcagc agcactgggt cttcctccgg ggccacgcgc anttcgtttg tagaagggtgt 360
nggtgccaga tctttctcca tgtccgtccc agtttgggtga cgatgccatg cttcaatggg 420
gtantttcag ggtcaggatg ccangtttgc tcttgggcct tcgttcgcca cgtagggaat 480
tct 483
```

<210> 607

<211> 233

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T90889

<220>

<221> unsure

<222> (1)..(224)

<223> n = a or c or g or t

<400> 607

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natgaacagt atataatcta atctctttta ttttatgtac atgaatataa tgtatgtcaa 60
ctttgtacat gagatacata tagtatttaa acattttact caacaaacaa gaatttacia 120
tagcaatata actgactaga gggctatcaa ctttaataata cttagattag atctgtactt 180
taataggaaa agaatttaat agtttacaat catagaaaca ctgacattta aaa 233
```

<210> 608

<211> 305

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T94447

<220>  
<221> unsure  
<222> (1)..(305)  
<223> n = a or c or g or t

<400> 608  
ttaattatng atattccccc tcaccgccct cagggancgg gagaagtcac acgaccatag 60  
ggagcttgga cttggtggtc gtcacgggtgc tggcagacga gggctcttcc aggaaccctt 120  
tgctagaatc agccctcata caagtgtgct cagagatccc aggagcgatg gcacccctccc 180  
gaagtcacta ccccatatg tctccttggg cttcttcccc ctctctttct ggaacctgac 240  
caggcagaac gcagcaactg ncagcaacag cacgcccagg gagcacccca atcagagntc 300  
cggcc 305

<210> 609  
<211> 302  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T95005

<400> 609  
ctttattgaa aacattgagt gcagaaataa accctgctca tgaatgggaa aattcaattt 60  
tacacaggtg ctgattttat ccagactgat ctatagattc agctgggttc cattctacat 120  
ctcaaggggt ttttgggggg aatttgacaa gctgattctc aaggttacat ggaagagcaa 180  
gggccgagac tagagttag gagatgattc ccaaaggcac aggggcagaa aaatgaccag 240  
tggaaccaca tagaaaaatc aattattgta ttttcaatgg atcactaggc agcagggaaa 300  
ag 302

<210> 610  
<211> 352  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T96171

<220>  
<221> unsure  
<222> (1)..(352)  
<223> n = a or c or g or t

<400> 610  
tgccatgttg gcaggctagt ctcgaaactcc tagcctcaag tgatccacct accttggtt 60  
cccaaagtcc tgggattata ggcattgagca ctgtgcccag cccatagatg gcttttatta 120  
ccttaaggta tgctatgagt aaccttttaa ttctccataa aattaattat tgtgtttttt 180  
gtttgcttgg ttttctatga ccctatcata aattcaactc caaactctgc accaattttt 240  
tttaaacttt actcaagaat ttagggccac ataaacattc caacaaattt gtcttcgtag 300  
ggnaaatctt ttccagagtt ttnccact atggccta atgcagnggt ca 352

<210> 611  
<211> 358  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T97243

<220>  
<221> unsure

<222> (1)..(358)  
 <223> n = a or c or g or t

<400> 611  
 nngttatnaa gttaaattctc tttaatatcc caatacaaag tactgatgca aaaagacaat 60  
 gagaaaaccc aggaagttgg ggggtggggg gtggggagag gttttataaa taaaaaaccc 120  
 cgagcagctt ttcagaggca gaggagctaa gagaagcagc agtccaaagt gaggaaggga 180  
 gtgtgtggct cctgggacct gccccttgct ccctcactca cagctgctcg taaacacccc 240  
 tttcaaaagg ggctgcaccc tttggatatc tgcttctttc tcttggtccc tggggacggc 300  
 aactagctct ggcttcaatc ccctacaaaa attcctgaga tcttcggggg accccagc 358

<210> 612  
 <211> 348  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T98019

<220>  
 <221> unsure  
 <222> (1)..(348)  
 <223> n = a or c or g or t

<400> 612  
 ataaaatagg gctggccana gagcactcac cgtctccctt ttgagttttt cccgcttgng 60  
 tccaattcca cgagcagccg agctcgtctc aagtcattgc ggagccgctg ccaggacttg 120  
 agctgttctt taagggccca gttcttatcc tcagaatctc tctgtagagg caaacgaag 180  
 atcagaggat gattagaaag ccagaggaaa ggtcaacagg gagaagagag cccagggaaa 240  
 ctcagggtcaa gccaaaagag ggagcacagt aattttattg gtagtgcct caatctgtgt 300  
 tttccccaag gccttgggaa gaattaaatt cttttggtat tgtntttt 348

<210> 613  
 <211> 307  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. T98288

<220>  
 <221> unsure  
 <222> (1)..(307)  
 <223> n = a or c or g or t

<400> 613  
 tgagtcattg gncttgctct gtcactcagg ctgaagtaca gagacacaat catagctcac 60  
 tgctgtccca acctgctgga ctcaagtgat cctctctctt cagcctcctg agtagctgag 120  
 gctactggca tgcacccacc ctgataggng ttttttattt tttagggatg gggctcttgct 180  
 atattgcaca ggccagtctt gaaccctggg gctcaggcaa tccctccacc tcagcctcct 240  
 gagnaattgg ggactacagg tgtgaaccac ggatgcctgc ctaatttttt tttttttttt 300  
 gagacag 307

<210> 614  
 <211> 2376  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. U02020

<400> 614

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ctcctggcca ccgactccta caaggttact cactataaac aatatccacc caacacaagc 120
aaagttttatt cctactttga atgccgtgaa aagaagacag aaaactccaa attaaggaag 180
gtgaaatatg aggaaacagt attttatggg ttgcagtaca ttcttaataa gtacttaaaa 240
ggtaaagtag taaccaaaga gaaaatccag gaagccaaag atgtctacaa agaacatttc 300
caagatgatg tctttaatga aaagggatgg aactacattc ttgagaagta tgatgggcat 360
cttccaatag aaataaaaagc tgttcctgag ggctttgtca ttcccagagg aaatgttctc 420
ttcacggtgg aaaacacaga tccagagtgt tactggctta caaattggat tgagactatt 480
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ttggccaaat atttgtaga aacttctggt aacttagatg gtctggaata caagttacat 600
gattttggct acagaggagt ctcttcccaa gagactgctg gcataggagc atctgctcac 660
ttggttaact tcaaaggaac agatacagta gcaggacttg ctctaattaa aaaatattat 720
ggaacgaaag atcctgttcc aggtatttct gttccagcag cagaacacag taccataaca 780
gcttgggggga aagaccatga aaaagatgct tttgaacata ttgtaacaca gttttcatca 840
gtgcctgtat ctgtggtcag cgatagctat gacatttata atgctgtgta gaaaatatgg 900
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caaggggatg gagtagatat taatacctta caagagattg tagaaggcat gaaacaaaaa 1140
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ttacatagga cgccagcagg gaattttggt acactggagg aaggaaaagg agaccttgag 1380
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taaccatgta aaagatgagt gctaaagtaa gctttttagg gccctttgcc aataggtagt 1740
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tgatgatcac ataaaacaga tttgcataaa attaccatga ttgctttatg tttatattta 1860
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agtctttcca acttttcatg atttttatga gcacagactt tcaagaaaat acttgaaaat 1980
aaattacatt gccttttgtc cattaatcag caaataaaaac atggccttaa caaagttgtt 2040
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<213> Homo sapiens

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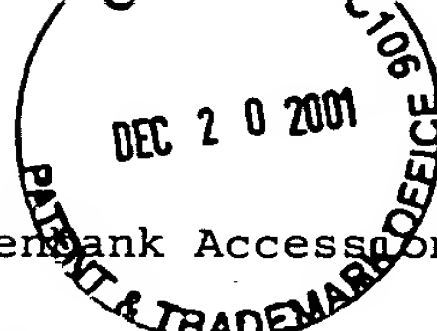
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<211> 1902

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. U26173

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<212> DNA

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<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. U41804

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<220>  
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aaa 1443

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<212> DNA  
<213> Homo sapiens

<220>  
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<212> DNA  
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<220>  
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 <223> n = a or c or g or t

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 gggatggggg ggagtattga tataaatata taaatacaaa tgtatatattt tcaggatgtg 1920  
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 <213> Homo sapiens

<220>  
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<211> 2093

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. U57316

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<211> 6981

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. U60975

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<223> Genbank Accession No. U62015

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<210> 645

<211> 1909

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. U91903

<220>

<221> unsure

<222> (1) .. (1900)

<223> n = a or c or g or t

<400> 645

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gaaatgaatt	ataactagac	atctgctgtt	atcaccatag	ttttgtttta	tttgcttcct	1860
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<210> 646

<211> 716

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. U96094

<400> 646

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cttgtgaggt	cctatcagta	ctgagaggcc	atgccatggg	cctgggattg	actgagatgc	300
tccggagctg	cctgctctat	gccctgagac	cccactgctg	tcattgtcac	aggatgccat	360
tctccatccg	agggcacctg	tgacctgcac	tcacaatatc	tgctatgctg	tagtgctagg	420
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<210> 647

<211> 159

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. V00563

<400> 647

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ctaaccgtgc	aacgggtgag	atgtgactca	taatagata			159



<210> 648  
 <211> 372  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. V00594

<400> 648  
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 aaagagtgcg aatgcacttc gtgcaagaaa agctgctgct cctgctgccc tgtgggctgt 180  
 gccaaagtgt cccaaggctg catctgcaaa ggggcgtcgg acaagtgcag ctgctgcgcc 240  
 tgatgctggg acagccccgc tcccagatgt aaagaacgcg acttccacaa acctggattt 300  
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 atgataataa aa 372

<210> 649  
 <211> 3565  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. V01512

<400> 649  
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3565

<210> 650

<211> 448

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W02204

<220>

<221> unsure

<222> (1) .. (448)

<223> n = a or c or g or t

<400> 650

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agaatgagaa tcctggggta gcgaggcaat taattaagca attcatctta aaagatggaa 120
tacttggaac accttagcca tcattcaatg ccaaaatgtt tgggtttttt tcatatcaca 180
tccttcctat cttttcatct tcagtgaatc attcctcatg tttgtaatta aagccatatt 240
taccatcata atctgcagtc acccgagctc attttgctct gaagccagtg atattaagct 300
gttctatttc taacgtgtcc ctttaactga ttctaagtaa aagcagcaag cagtgggtat 360
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```

448

<210> 651

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W20486

<220>

<221> unsure

<222> (1) .. (378)

<223> n = a or c or g or t

<400> 651

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tgcgtcctcc ttggagaagc tccgcacagg cagttgaagc agcagcagca agtcgcccag 300
gaacttgggg ggcaccacgt cgatgaccag cttgcgcacg cggcccgggc ttgctgtgca 360
aggggggttg cgcgcagg                               378
```

<210> 652

<211> 687

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W28214

<220>

<221> unsure

<222> (1) .. (687)

<223> n = a or c or g or t

<400> 652

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tcctggctcc ttgcggtcac attctgggtc tctgtgtttg gtggactctg ctctcactgt 180
tcaccagca ctagcagtac cagatgggtc tgtggagtcc tggggaatgg agagagcaca 240
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cacttcctac aggatgggat ctaagagact caagagctgg gtttctttca gnactctgta 360
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gaattcagct tgggacttaa ccaggctgac tngntagggg ggnnnnnncan nnnnnnnntn 480
gntcaannnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 540
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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 660
nnnnnnnnnn nnnnnnnnnn nnnnnnnn                               687
```

<210> 653

<211> 870

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W28548

<220>

<221> unsure

<222> (1) .. (870)

<223> n = a or c or g or t

<400> 653

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ctcacaaaaa cacaggttgg gatgaccatc atgtgccagc ggcatagggt ggggataacc 120
ctgagttcct ggtgcagaaa ataagattct cagtttttga ccttggattg agaaggacct 180
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tcaaccaaga gggaggccca aacccagtg aagcccaagg ggcagagcca agctgtggat 300
atgtcagagt ttcttgggca tcttctctgc tgctgcctc tttccaatct tggttcagat 360
caggggaagca ggaagtatgg gaagatccct gcatggcccc ttgagggcat cctaattggga 420
cggaattggg gagtttctta tattttcatg aaatatccta tttngggctc ctngtgttgg 480
tggaacttga gtgattctgn agggcaggag cctccagtga ngagttggna gggatcttgg 540
```

```

aaaactggnt ttnattttat ttgggtgggt cggaattcag ttgggcttaa ccaggntgac 600
ttgcaaaggg gggnnnnncn nnnnnnnnnn ncnnnnnnnn nnnnnnnnnn nnnnnnnnnn 660
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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 840
nnnnnnnnnn nnnnnnnnnn nnnnnnnccc                                     870

```

```

<210> 654
<211> 296
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. W31470

```

```

<220>
<221> unsure
<222> (1)..(296)
<223> n = a or c or g or t

```

```

<400> 654
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cgcctggacc ccggccgtca cggacgtacc tactggatgc agatgggtcca gggatctggg 180
ggtcctggga gagtgggtgt tggactgcgg gccacagctgg acaaaggcag gggcttcctc 240
agaagctctg ctggtcacgc aggcgtccgg cccacggctt tcaacagccc tgcaag      296

```

```

<210> 655
<211> 353
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. W33172

```

```

<220>
<221> unsure
<222> (1)..(353)
<223> n = a or c or g or t

```

```

<400> 655
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agtattcagc tgtgtcctct tgaaccata tctatcaggt caacagcttt agccatttcc 180
acatgatatt ggctgtgggt ttgtcatata tagctcttat tattttgaga aaccgttcta 240
tcaataccta gtttattgag agtttttaag catgaaaggg ctttttgaaa tttttgggtcg 300
nacgggcctt ttcttggaac tcctatttga gnataaatcc aagccggggt ttt          353

```

```

<210> 656
<211> 437
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. W33179

```

```

<400> 656
tttttttttt attttcataa cttgcttctg ttgatttttt ttttttgtaa aactttccca 60
agacattttc agacttaaaa ataaagtcag tggttacaggt gctggtcagc cttcttactt 120
gtacctcaaa cactgggata aaggaggcgg tccagggcaa tgcagtgatg tctgtcaaga 180
cattccccct cccctaaact cagtagcagt tgaggatgac atttcaggct agagagacct 240

```

```

aaaatacctc tgttccacct gagagcaagg tggaagttgc atcagctact gcccgaagtg 300
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gaggggtaca gctttgccac tcaaataatac cttattgttg gcattcaggg agccagggtc 420
cagagctgca gggctgc                                     437

```

```

<210> 657
<211> 383
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. W37778

```

```

<220>
<221> unsure
<222> (1)..(383)
<223> n = a or c or g or t

```

```

<400> 657
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tcataataga tcaagtaagt gtgaggaatg tgactgtggg ctacctacat cagctaacag 180
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ngttttggtc aggggttaat attattatca ttctaaccac cagggccagg tgggtggcgcc 300
aaggtcgtct agctatttat ctttcttctg tttctttcca actttttgct ttctcccttt 360
tctcctgtct tataaactag gga                                     383

```

```

<210> 658
<211> 383
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. W42778

```

```

<400> 658
gaaaacaaaa atttattgct tctccttcca aagctttgtg aatttacaaa aaaaaggatg 60
aaagtttaca aactgcttag ttccaactaa gcataagagg tgagaacgta cactgcaggg 120
ccaccagcag cagctgtgca ctcgatcggt aaaactggct ccccagact tgtagtgtg 180
tcttcagggg gctgcattcc ttacacgcca cctcttgtga cataggtcac tgggtcaagcc 240
gctggaatgc tacagaggtt tttttgggtt tgagaggctt ttttttgttt tgccttccta 300
ctataaaaagc gaaattttca gttcatttct gaaaaataaa ttgggtcaata aattcatttt 360
gttctgcttc tactttacac aaa                                     383

```

```

<210> 659
<211> 476
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. W44760

```

```

<400> 659
ttttttctgg taacagcatg tttaatttat tattattgca aaagaacagt ttttctcatg 60
attagtgaag tagaaaactc acaatatact taagagtctg ccccaaacc attacaaagg 120
ggttgagaga agagagaagc agaaacaaa agagaaacag aagtaataat cagttatcac 180
atgattttta tagtaaaaaa tagaatatga tgtgcaatag tgcaattttc ctttgctagt 240
ccagcaatgc aagtaagtct taataggaag tccactgtgt tactttttgt atttcgggat 300
ttagttgcgt gcttgccggg ggttcgagtt cctgccagac ttctgactct gagtgggaatc 360
actattgcta gaatcacttt tactgagtc cagatgacga agcttcatat cccagcgctt 420
aactttttta ccgagtcgat ccttccactt ctcagctata gagccttcca ccaaga      476

```

<210> 660  
<211> 402  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. W45531

<400> 660  
tttttttttt tttgaaattt gataaatggt tattgacttg ctgattcaaa aaaacagtgt 60  
agctgagaag tctgatcagc tcagaaaaga gtggaatttg gcaacaaata tggtatccaa 120  
caaatctga gtaatttatc accttttaac atcttcaaca tttttataat ataaatattt 180  
tttaaaaaac cgattattaa actaatactc ccctggaaga acaagaggac taattttcgg 240  
tgacgacaga cttgtgctga tccatcatct ggaactccta aagacctgaa tggctgactg 300  
ggattagtga ctactatctg gttttactgg ttttactcta ctaagcccat gattttgtgg 360  
ttttaaccaa ttaagaaat tatccccaag cacaataaaa at 402

<210> 661  
<211> 534  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. W45664

<220>  
<221> unsure  
<222> (1)..(534)  
<223> n = a or c or g or t

<400> 661  
ttttttccta aagtcattta ttttcttcga gaactctgga cattccataa ctgggtgtgt 60  
agtatgagta gaatgaattc agtgctagcc tcttgctgga gagggacaag tgcaggttta 120  
gaattacagc ttatgtaga aggttctctt ctcacgata cttcatgtt agaagaaaga 180  
ggacagaggc agagctgatg gaatctcata aaataacagc taatgccgtg tgcaggcac 240  
tatgcttaac aagtatctgt ttaacatgtg taaatgctct ttagctcttg cttttctata 300  
atataaaaca gtcctgggag tcctgttctt ccccttcctt tctctcgtgt cctttggact 360  
gtcttttngc agcctctggc ctttctcatt atctactaca gcttgctacc tgactcatca 420  
aaggcacatg ggtgttgcaa gagaggatgg gaaccgggtg gtttatacca ttaaactggc 480  
cattataaca gggagctata aggtggaaaa ataggagncc aggaaataaa gccg 534

<210> 662  
<211> 444  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. W46395

<220>  
<221> unsure  
<222> (1)..(444)  
<223> n = a or c or g or t

<400> 662  
ttttttgcac ttcgcccaca caggacagtg gagccccacc tggtcagttc cacttccggg 60  
ctcccatgca cttgcccagc gcggcctctt tgggacgggg atggtttgag gaaacacttt 120  
taaagaaaaa aggaagacat tgaaaggttt tagtttcttc cctatctgca tgctctctca 180  
tatagaaagc ccagaattag gggctagaac tccaggagag ggtctccccg actcatctct 240  
tgctgacggt caccaggatg cagaaatagg gagatggtta gtggggggcca aagatgcccc 300



```

ctcccaggcc ttcgtgggtc cctcctccgc cccctgcaat ctttgggagg agtcagtgcc 360
tcactccagc agtgagtgcc tactgtatgc aggtagtcag ccaggcaaag agagactaac 420
ggtctcatgg gggaacctct tgan                                     444

```

```

<210> 663
<211> 489
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. W49708

```

```

<400> 663
ttttttcacc gcagagatgt ttttattgaa atgcatgtta tgagtaacac atgaactccc 60
tctggcccag gtgggacttc ttccctcata ggtgggtcag gccagtgagg acagtcttgg 120
tggtggtaag aaggagagca agtgacagaa ggtctccaag gcataggaga tgggtgtccgg 180
tgagtctggg gaaccgagga ttatgaagcc tgctggaagc cttgggtatgg tatgggttctt 240
ctcagctgtg gctgcagatt tctcttcatt ggctgcctcc tctgaaaaca gactcctctt 300
ttctgcaatt aatcttttta ctcctaccat ccactgactt gacctcagtc acatgggtcaa 360
ccatgagggg gcggtggatg tcatctgctg cgtcccaccg gtggcttgaa aagctcttgc 420
accagtagag ccattctctt ctttacaggg tattgacaac tttcctccaa gccactgtt 480
ccttgcaag                                     489

```

```

<210> 664
<211> 678
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. W51743

```

```

<220>
<221> unsure
<222> (1) .. (678)
<223> n = a or c or g or t

```

```

<400> 664
cacaaaaaaa aaatcactaa aaattcccac aaatcttggt tctggcactt tagaaaaact 60
gcaaaaaaat acgtaataaa gaatacatat atatatatct acacacaaat tatatatcta 120
tctatctata cagcgggaacc acaagagaga ctgaggaagg cctggaggca ggggcagagg 180
tgacgacagt gccctatat ccttaacca tactcctctg aggcaaacag gcatgggaaa 240
atggaagggt tgaggatgga ccggagaatt ggaacttcag aatagggtcaa aattccaaaa 300
ccatggacat ttttttttgg gagaattgag attgtagaca tttttttttt cttaaatatg 360
atcaaggaaa atagcttcca gaatgtggtg gttctgggca acaaatgaga ttgtggcgac 420
gtggagatta aaatatatgt atttgagctg gggaatttga atattgtgag tttcagatgt 480
tggaattttg ggatttttgc gttttgtctt ttgaaaatga tcaagtcttg tcagtctctg 540
ccctctttcc ccatgttccc tgggaagacg ggtgggtggc gagtgagaag gccactggtc 600
tgtgccgcac acgcaaaatt tagaatctcc agctagctct atcgtgtgag gnccagatta 660
gggaantgcc atattacc                                     678

```

```

<210> 665
<211> 453
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. W52065

```

```

<220>
<221> unsure
<222> (1) .. (453)

```

<223> n = a or c or g or t

<400> 665

```
tttttttttt ttttttcaga ggtcaaatca cttttattct ttaaggattc agtgtaacat 60
ccttttcttt aataaaataa ttaaactctg gcagaaatta acttattcaa aaagtcatac 120
taatactttg ttatgacttt ttatagaaaa acaaacttta tttttttatt tttttgagat 180
ggagtcttgc tctgtcacct aggctggagc gcaatggcac gatctcagct cactgtagcc 240
tccacctccc aggttcaagc gattccccctg ccttagcctc ccgagtagct ggaattacag 300
gtgtgcgcta ccatgcctgg gctaattttt gtatttttag tagagatggg gtttcacat 360
gttgggaagg ctggtttcga actcctgacc tcaggtggat tcacccgcct tggcctccca 420
aagtggctgg gattataggc gtgacagcct gna 453
```

<210> 666

<211> 466

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W52638

<220>

<221> unsure

<222> (1)..(466)

<223> n = a or c or g or t

<400> 666

```
ctcagtttgg gaccaaactg cttggatctt tgtaaaaacc cggttttgta tgtcaaggag 60
gagtttaagg cctttccgac caccttgtgt tccccttttc tgcgcacat gtatcacgtg 120
gagttgctcc ttaccacacc tcacgtgcc ctgagcccta tttcctgatt tcttctgggc 180
tggacttccc cgttctccac cagcagctcc agtatcccaa actttctagt cctgctgac 240
ctcccagcaa cggggtggaa actggagggc agtgtctggc ctgttttcta agaaacttat 300
gaattctatt atctttacaa atatgagaaa attttttcaa tattttttat taatcttttt 360
ataaaatgaa aagaaactcc tatgatcgat taaggaaggc gggtatggct ggggtggttca 420
ggggtttttt tgggtttcnt tttttttttt cnttgctctt ttaacg 466
```

<210> 667

<211> 511

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W52858

<400> 667

```
cacggccaaa atccataaag attataaaag caaactaagt tgtgaagcta tagtacatgt 60
aggcatttag ttaagtatag caattcaaac tgacctgcat ccatccaaaa caaattcctc 120
cttcaacctt atttttactt gaaatttgct agaagaaata gcaaaccgga aatttgtttt 180
atgcatgagt taataccact ggctcagcaa atacaagtta gtttgcttta agcaggtaac 240
tttttttgta atggaacgaa atgcactaca aagttaagac agatttttgc taagtgcagg 300
aggcccttta ttattgctgc agaaaacaaa agcctggctg agttgatgtt ttacattctc 360
ccttactgaa atctacatga catgatgctt cttgctgggt ttttgtagat ggtaaacatt 420
ggtcaagctg tgaaagaaaa tgggctggag gtgtgctttg gtgtggaaag ggtgagcaat 480
aaaggatatc ggttaagtcc cccaaaaaaa a 511
```

<210> 668

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W56792

<400> 668  
catcattttt tattgtaaga aaatacacag tttgaaagtg tgaataatgc aatattttatg 60  
accaagaaat gggacttagg aaggggaagg aagataaaga aaaagatcaa gatgatctga 120  
ttgagagaca gtgttgaact ccaaatactg aactggaaaa ggaggagggt ggggaggaac 180  
aggaggagga agtaaaaaaa tttgatcaga gaaacagtta aaatacaata tgaaaataag 240  
taatacctct ccttaaattc cttctataca caaaatacac gatttgccaa agcccaattt 300  
gtgctactgg gattctgtga gctccttaag tgtattcaca tcctctgcaa cagcagaaaa 360  
tgattatgat acaatcagaa tatgctgaag acaagttaaa ctcttgccag caggttcctt 420  
aaaaat 426

<210> 669  
<211> 426  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. W57931

<220>  
<221> unsure  
<222> (1)..(426)  
<223> n = a or c or g or t

<400> 669  
tttttttttt tttttgggag gcaggagttg ctttttattg acttggaagt gggctcttca 60  
gtgaagcccc tttggtnta agagcatttt cctgcttcct ttgttcttcc tgcaacttct 120  
gctgcctgag ctgccatgct tgtaatccag cgtccatttc ctgtgacagc agtacaactc 180  
gtcttgcaaa cgtctccctt tcagcttttc ttcgaagctg gcctttcatt gggggagcag 240  
ggcggccatc cgattatgac cagtctggga gctcggtaag gggcccgtaa gccgganggg 300  
ttggcagcca agtccctgct gtantcgcca ctggccgccc gcccaagcgg ttacnttgca 360  
gtgcaccctt ccggacacct gtgaagagaa cagtccctaa agcagccatg tgagcagcct 420  
cgtgcc 426

<210> 670  
<211> 98  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. W60186

<400> 670  
aacttacaaa caaaaataacc gtaataataa acccaaacaa agaccctcag cttgctgcca 60  
cgttctctat gcggtttggc ggggcgggta tttaacag 98

<210> 671  
<211> 597  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. W63793

<220>  
<221> unsure  
<222> (1)..(597)  
<223> n = a or c or g or t

<400> 671  
ggaactgaga aaacagcaaa gttgactaaa ttttatattt cttgtcctct aaatattttg 60

```

ataatttctg gattgatgca gtgatgtttt tgttccttcc gtatttataa atgaaacacc 120
tttttttagt gtttctaaac ctaaaatcta cttggtttga aatcaagtgg ttggaacact 180
gtttgacttt tatttgaagc atgttggttga ttgaaaatth cattgaggaa gttttcaatc 240
agtgtgatca gtttgattct gtaatgagca cagcacctaa tattttgagg agctctgttt 300
tgaggaccaa tgcttaagggt ggactttgtt cgtaaacaat atcccaatag atttgttgac 360
ttgaggtctg gtttggtttt gtttttgttt tgttttgttt tgttttgttt ccaatagaat 420
taagaattct aatgttgaaa aactgcacaa atttttatgg gacaaagcct agaaaagaga 480
aatgtagtth gaatcataac caaaaccacg gatgatagaa gagggaaagt ttggggccat 540
aatttctcct tcactggtgt tgacctaaac cgttggaaag gaattccggn cccaatt 597

```

<210> 672

<211> 447

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W67225

<400> 672

```

ttttgtgttc caataaaatt ttattaacaa aatatgacag tggggggggcc acagtttgcc 60
aaactttgcc ttggaggaca tgcagaggca ccctcagaat tcagtgaata cctgctccca 120
tattgctaag actcatgaag tataatctct catcttcttt ctctttcccc tgcccaagcc 180
ctaagttagg gttcccatcc atataacaaa gacttctggt caggtggcat ttgctatctc 240
tgagattccc tgcccatgaa agccacaaag agatttcttc ttttacacac cctgaagcat 300
attatggccc cagcaaggct aactaaatca aactgtggtt taaaaacaaa acaaaccaac 360
cactgtgaaa tatttattht tgttttgtag tattaagcat gattaaacca gtgcagaaaa 420
atactaagta cattgggtaa aagatga 447

```

<210> 673

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W67577

<220>

<221> unsure

<222> (1)..(411)

<223> n = a or c or g or t

<400> 673

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ctaattacta ccttttattc taatgtgaac catgggccct ggaaagctga taacaagctt 60
ggctgagcag aggggaactag gggtcaggca gaaaggatta tgggntggaa aacattggct 120
cttccttggg nagtggatgc tngggaaagg ggaagagagt ggctcancct ggcaggtaaa 180
taggctagaa aagccaaggc caaanctggn gaggggagag gacagtcagc atgtccagcc 240
tgggggtctg gtgtaagggt tateccttct ccctgggtgcc tttccatctc gtccatgagc 300
ctaaggtctt gggagccttg tgttgggagg ctgctgtgat gtcagggaac ggggatctgt 360
ctagcttttg gccacttcct ggggacctca caccctgtt tganaaattg g 411

```

<210> 674

<211> 473

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W69302

<400> 674

```

gctttcggtg gttccttgggt gactgggaat tgcttgtgtg catgtgttgg gtgcatgctt 60
ccgggtctca gctgccccag gcccgcacag gcaaccctt cccatccaaa gccattggtg 120

```

```

gagcttctct ggaatcattt gccaaaagcc caaggcagaa tccaagggtc caagaccatt 180
tccatggagc tcatgttttt cttttctgta ggaacttttt tttaaccagc acccaccata 240
attccgaagc cacgtttcat ctttcctgga tcactacagt gaagtattac acgttgtaca 300
cgttcccagt ctggccttgg cttgctcgga taaaactttg tatgtatttt gtatggcata 360
gattctatat tgtaatgatg tcctatgcaa aaagagaaat taacgaaatt gtaaatttta 420
ttgttttaac gtgtatgcat gtttagtgac gtttacattt tgaaataaaa ttt 473

```

<210> 675

<211> 128

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W70131

<400> 675

```

gttttttgac ttcatttatt atataaggaa cctaactcaa attggcttaa gcaattaata 60
aatgtttatt gttacattgt tgtaatgtgg ctggaaatcc agaagtcata caaatctgtc 120
aggattgg 128

```

<210> 676

<211> 428

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W70167

<220>

<221> unsure

<222> (1)..(428)

<223> n = a or c or g or t

<400> 676

```

cagttctgtc ccttcgagaa aaacgtggaa tcgacgagga ccttcctgca gacggtgagc 60
agtgagaagg tccgctccac taatctcaac tgctcagtga ttgcggacgt gaggcacgac 120
ggctccgagc cctgcgtcgg acgtgctgtt cggagacggg catcgctcga ttatgcgcgg 180
cgtcatctca ccgctctgga aatgctcacc gccttcgcct cccacatccg ggccagggac 240
gcggcgggca gcggggacaa gccgggagct gatactggtc gctgacagcg ccaaagagac 300
caacaagatg attttagcgt ggactaggac acttaacctg agaagagttt cacttaatac 360
ttcaaatac tatctgaagg gtcacggagc gcaaaataaa gtttaaaacc ctgctaccaa 420
aaaaaaan 428

```

<210> 677

<211> 359

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W73038

<400> 677

```

tttttttttt ttttttaaaa atcagatggg gactttattg tgatgggtggc aggtccacca 60
gcagatgcaa atgtggggtg ctgagagtgg caacacaggc caccctaaac caacttcact 120
ccctcccctg tcctcagcca gtacagaagc caaatgtagc cccagcccta gactccagcc 180
caggcagagt ccaagggagg ggtgtcaggg tcagaagtca caggagagccc agtgactatc 240
aagggtggctg agagcaaggc tagggtaggg atggggcaga gaaagggcag ggggtgcagc 300
ccaggtggcc caaagcaaca cagaggagca agggctggca ttcaagtcag caggctccct 359

```

<210> 678

<211> 620

<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. W73790

<220>  
<221> unsure  
<222> (1) .. (620)  
<223> n = a or c or g or t

<400> 678  
ctggttgaca aagaggggtat ttattgaggg tttactgggt acanggagaa gggctggatg 60  
gcttgggatg cagagagaga cccttcccct gggatcctgc agctccaggc ccctttgggt 120  
ggggtcgggg ctgggaacct atgaacattc tgcaggggcc accgtcttct ccacgggtgct 180  
cccttcgtgc atgacctggc agctgtagct tctgcgggac ctccactgct cgggcgtcag 240  
gctcaggtag ctgctggccg cgtacttggt gttgctctgt ttggagggcg tggatcatctc 300  
cacgccctgg gtgatggggg taccatctgc cttccaggtc accgtcaaga ttcccggata 360  
aaagtcattc atgagacaca ccagtgtagc cttgttggtc tggagctcct cagaggacgg 420  
cgggaacaga gtgaccgagg ggggtggcctt ggntgactta aaacgggtgag ctgggtccccg 480  
ctgccaaaca catgcgtcac tgagttatgc ttggattgaa accccggggc cancacttgg 540  
ggcagtccag gagccgcctt gaacaggaac ctgcccaccg gttcctaagc ttgaccgctg 600  
nttctccagg gtccaggncc 620

<210> 679  
<211> 697  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. W73859

<220>  
<221> unsure  
<222> (1) .. (697)  
<223> n = a or c or g or t

<400> 679  
tggacacgct caggctggcg tccagctaca tcgcccactt gaggcagatc ctggctaacg 60  
acaaatacga gaacgggtac attcacccgg tcaacctgac gtggcccttt atgggtggccg 120  
ggaaacccga gagtgcctg aaagaagtgg tgaccgcgag ccgcttatgt ggaaccaccg 180  
cgtcctgacc ttggaggtgc gagtctggga aaggcgcgct cccgggggga ngcgcnncnt 240  
gggaaggcga cccctgccct cagtgccttc tgtctctgct tccccctcgc aatgctcctc 300  
tctctgtccc accccgcgag aacactttac aacgacgagg agattcgttt ccaaaccaga 360  
ggagatcaat tgtacttaca aagattccca tctatttaac tttattaact tctaccgtga 420  
atgactctgc aagccttgct ggtccaagtg caatatgtaa ttataaatat ataaatagat 480  
aagagcctat caatgtatct tttgtacaat atgttgtaaa atgtagatca taggatagct 540  
gactttgaca gtcacattta taaagtaatt cacttaaaga tatatatatt tccaacaagt 600  
ttgcactttt gaaataaacc ttctttatat gctaaaaaaa aaaaaaagat nggcggantt 660  
tccttggggg gtaattantt gatgcgcggt aangcgg 697

<210> 680  
<211> 676  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. W74533

<220>  
<221> unsure



<222> (1)..(676)

<223> n = a or c or g or t

<400> 680

```
tttttcagtt ggacacaaat gtattttattt taccctagca atagaacaaa atataatttc 60
tttagccatt tttcatgaga atagttcatt gtacagttga ggaaacatat gaaataaggc 120
ctgtgggtga ttgctagtgg ttaagcatgt tttcaatctt tgccttaatg taaaagattt 180
gcagtgaact gcaaactgat gcagaatatc tctcctgctt ttccaagtct tgtcaggaat 240
agtaaggtag agtaaatttg tcccacagga ttttaaagcc tacgtcttgt atataatata 300
atgcaggcct acaaaaatgg tgcagccata tttacaaatt tagttcacag actgctgcag 360
taaaatggct ggaaagtttt gttttgcttg tttcacaatt tctctaaaca gcagcagaat 420
cttaaaatac ctggctggca tctcttttct ttgtaacaaa taattcactt tagtatactc 480
tgtgtatata caaagttttt gtatgtttta taaaatttca cagaactgca aggttcagtc 540
acttttttac accagagAAC cacagggtcaa gagcactctt caagcagagt tgagggactg 600
cgnagccaat ggtgccttat tattaaaccc gcatgggcct ggatcctagc tgagataagn 660
tgtaccacgc atgcct 676
```

<210> 681

<211> 496

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W76181

<220>

<221> unsure

<222> (1)..(487)

<223> n = a or c or g or t

<400> 681

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<210> 682

<211> 315

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W78127

<400> 682

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<210> 683

<211> 418

<212> DNA

<213> Homo sapiens

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<220>  
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<211> 395  
<212> DNA  
<213> Homo sapiens

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<223> n = a or c or g or t

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<212> DNA  
<213> Homo sapiens

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<223> Genbank Accession No. W92449

<400> 686

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<210> 687

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W94333

<400> 687

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<211> 1761

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. X00351

<400> 688

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<211> 3768

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. X00371

<400> 689

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<212> DNA

<213> Homo sapiens

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<211> 14646

<212> DNA

<213> Homo sapiens

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<211> 1391

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. X57129

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<211> 1450

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. X57348

<400> 709

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<210> 710  
 <211> 915  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. X57809

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 <211> 1195  
 <212> DNA  
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<220>  
 <223> Genbank Accession No. X59766

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<210> 712

<211> 2152

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. X62320

<400> 712

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<210> 713

<211> 367

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. X64177

<400> 713

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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. X65614

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<211> 6004

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. X65965

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<221> unsure

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<223> n = a or c or g or t

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<213> Homo sapiens

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<213> Homo sapiens

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2461

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<213> Homo sapiens

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<223> Genbank Accession No. X85373

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1392

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<211> 1890

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. Y12711



<400> 731

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<210> 732

<211> 2038

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. Z11793

<400> 732

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<210> 733

<211> 260

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. Z38266

<400> 733

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gcagagcaat tcaccagcac catcatcaag tgagctacaa atctatcttt taccagagca 180
aggagacact taagatcaat tcaagagaat agctttcagt gttcacagaa ggggtactca 240
cattcatttg tcacatattt
260

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<210> 734

<211> 270

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. Z38744

<220>

<221> unsure

<222> (1)..(270)

<223> n = a or c or g or t

<400> 734

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taatacacaa tgttagagca cacaagagac
270

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<210> 735

<211> 287

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. Z38785

<400> 735

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ttgaggctgc tgggcagggg cccaggcagt aagtgagggc acctgcgagg ctctgaggac 240
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<210> 736  
 <211> 323  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. Z39904

<220>  
 <221> unsure  
 <222> (1)..(323)  
 <223> n = a or c or g or t

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tacaattact ttacataaat ngaaatccac gtctttatta gtaatgtnc acacatctta 240
gagtaaaaat ttacataaga taggcttata aatatacata aatctcaaaa ttaatcacia 300
acattaggta cacaattggt ata 323

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<210> 737  
 <211> 326  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. Z39983

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<400> 737
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acacagcatc atgggggatg agctgggggt ggagtcgggt gtatctgaca ccagaccctc 240
cattcaagct cccttgatga caacgcccac aacaggggtc ggctgatgct ccgttctgcc 300
acgactcctg ctgggtgatc gtggga 326

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<210> 738  
 <211> 254  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. Z40186

<220>  
 <221> unsure  
 <222> (1)..(254)  
 <223> n = a or c or g or t

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<400> 738
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tgatttacat tgatttacac atgattggng cctaatttat taatcagcac gcagcatgta 180
aatgtgctca aaagaaatca aggtttaaaa taagttttcc ataattattca taaacatttt 240

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cgctggtgta aatg

254

<210> 739

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. Z40556

<220>

<221> unsure

<222> (1)..(346)

<223> n = a or c or g or t

<400> 739

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cctggccttg ttgtggggct caggaactca gagtcccagt gttgagtctg ggagcactag 300
gtcttcatag ttccaggccc agagctacag ctgggctggg agcatg 346
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<210> 740

<211> 292

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. Z40715

<400> 740

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gggcatgcca ttgccatggc aaccagatg cttagatgca ggtccctcct ggctgcttag 180
agctgggggg actaggcgcc ctccccgaaa gccccattc tgagttgttg gtgcctgccc 240
ttcccctgaa tctaagaact gattagtggg ttagactgca acagcagctc ag 292
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<210> 741

<211> 270

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. Z40898

<400> 741

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tgctacacgg gttatgcttg gactctgact ccagcagca ggtagattca ggaattcatg 180
gcagtgacat tcaccatcat gggaaacacc ttcccttttc ttcaggattc tctgtagtgg 240
aagagagcac ccagtgttgg gctgaaaaca 270
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<210> 742

<211> 333

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. Z41642

<220>  
 <221> unsure  
 <222> (1) . . (333)  
 <223> n = a or c or g or t

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 ggatgagatg tactctgcca ctgtntctctc tgggcacttt cagatgatgg ggtctgagat 180  
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 ggagctcagc atggaaacct gggagaaaagg gcc 333

<210> 743  
 <211> 1569  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. Z48501

<400> 743  
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 primer, cellular retinol binding protein

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